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CATALOG

for 1938

TOP  
NOTCH  
SEEDS

RECEIVED  
JAN 12 1938  
U. S. Department of Agriculture

RUSSELL-HECKLE SEED CO.

MEMPHIS, TENNESSEE



# TOP NOTCH

## Field Seed Corn

### Top Notch Early White Cory Corn

An early white Dent Field Corn coming in ahead of any other variety and will mature before the usual summer droughts. Produces 2 ears 7 to 8 inches long on a medium stalk; grain solid, firm, and snow-white. A distinct variety that matures in 90 days. Prices on Green Ink List enclosed.

### Top Notch Golden Surprise Corn

This splendid Field Corn has very bright golden kernels of unusual depth.

Golden Surprise grows on a rugged stalk of medium height, producing 2 good ears 8 to 9 inches in length. Matures in 100 to 110 days. Prices on Green Ink List enclosed.

### Master Marglobe Tomato

Matures in 76 to 78 days. Fruits uniform, deep scarlet, large globe-shaped, smooth, solid and of a distinct quality. Plants are thrifty, vigorous and resistant to wilt and other diseases. **Pkt., 10c; 1/2 oz., 25c; 1 oz., 40c; 2 ozs., 75c; 1/4 lb., \$1.25; 1/2 lb., \$2.25; 1 lb. (sealed cans), \$3.50, postpaid.**

### Winona Watermelon

Grown especially for our select trade. Fruits long, very dark, solid green. Rind very thin, flesh deep rosy red, crisp, sweet, and melting. Originated in Northern Mississippi in the Watermelon growing district. You will be delighted with Winona quality. Ripens in 90 days. **Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; 1/2 lb., 60c; 1 lb., 90c, postpaid.**

### California Beauty Cantaloupe

This is a wonderful Cantaloupe, medium to large in size, shape slightly oval with heavy netting. The pink-salmon flesh is very sweet, soft and juicy. Matures in 80 days. **Pkt., 10c; oz., 20c; 2 ozs., 35c; 1/4 lb., 60c; 1/2 lb., \$1.00; 1 lb., \$1.75, postpaid.**











# New and Desirable Varieties of Vegetable Seeds

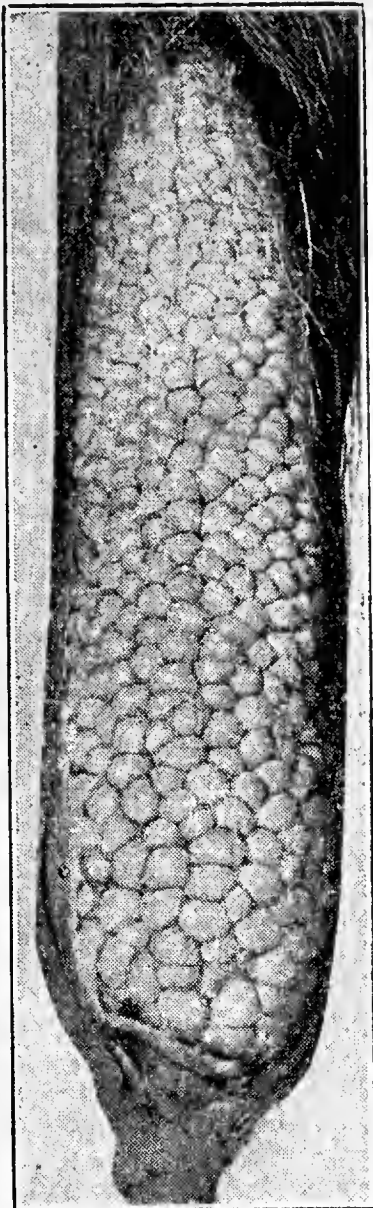
## Golden Colonel Sugar Corn

1936 Award of Merit

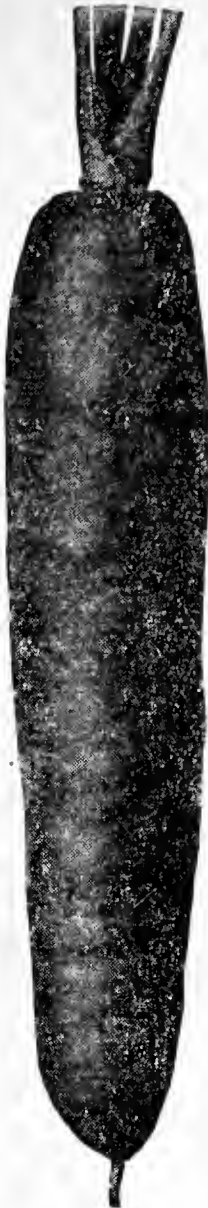
A real yellow grained Country Gentleman with a deep shoepeg zigzag kernel on 7½-inch ears. Ears ready for the table in about 88 days, bears two good ears to a stalk. It is sweeter and finer than white grained Country Gentleman; excellent canning sort. For best results, plant in rich soil to bring large ears. Golden Colonel is about the sweetest Corn in existence. Postpaid, pkt., 15c; ½ lb., 25c; 1 lb., 40c. Not prepaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

## Presto Savoy Spinach

A new Savoy Spinach with prickly seeds that will give better germination than the smooth-seeded varieties. Plants vigorous, hardy, and robust, ready for the market in about 42 days. The crumpled leaves are large, very dark green and handsome. Presto Spinach is adapted either for spring or fall sowing and is a fine variety for either market or home gardens. Postpaid, pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.10.



Golden Colonel Sugar Corn



Morse's Bunching Carrot

## Morse's Bunching Carrots

An outstanding strain bred for market garden use and for shipping; also splendid home garden variety. It fills the demand for a longer type to compete on markets with California Carrots elongated under irrigation. The roots are 7 to 8½ inches long, graceful, smooth, and uniformly tapered to a semi-blunt end. Flesh is rich orange-red, extending to center of root, with indistinct core. Finest quality for table use. Postpaid, pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c.

## A & C Cucumber

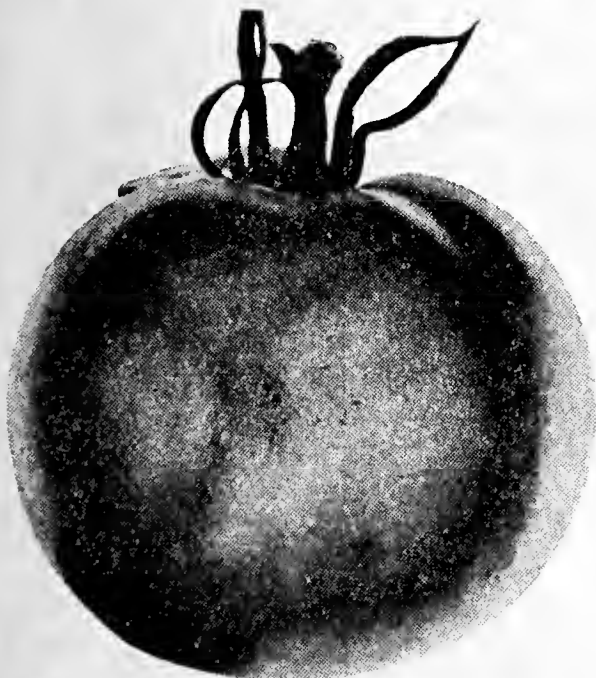
A recent introduction that has met the approval of shippers and local gardeners. The vines are robust, producing an abundance of fancy fruits of vivid dark green color which is retained almost to full size. It is a white spine type, 10 inches long, 2½ inches thick, straight and slender, slightly tapered at both ends, very smooth and attractive and has but few seeds. Postpaid, pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

## Supreme Gulf State Tomato

The result of years of breeding work and vastly superior to regular commercial strains, producing a splendid increase in the amount of fruits which meet the rigid requirements of U. S. No. 1 grade. The fruits run high in larger sizes and show noticeably less cracking about the stem end. Supreme Gulf State is almost as early as Break o' Day and quite earlier than Livingston's Globe. The plants set well in the lower clusters and bear large globular fruits over a long period. Picked green, the fruits color up to bright purplish pink. Matures in 77 days. Postpaid, pkt., 10c; ½ oz., 30c; oz., 50c; 2 ozs., 90c; ¼ lb., \$1.75; ½ lb., \$3.00; 1 lb., \$5.50.



Presto Spinach



Supreme Gulf State Tomato

# 1938

## ALL-AMERICA SELECTIONS

The following varieties of vegetable seeds were judged the best in their class by experts in many parts of the United States.

### Award of Merit

**BEAN, THE COMMODORE.** Splendid bush Kentucky Wonder type of green-podded snap Bean. Has productive big, long, round, stringless, fiberless pods in eating stage; wine colored seeds when mature. A real acquisition. Postpaid, pkt., 15c.

**SQUASH, EARLY PROLIFIC STRAIGHTNECK.** Earlier and more productive than present strains of straightneck summer Squash. It is smaller than the type, less warted, much more uniform, of brighter yellow color and quite free from greenish coloring on young fruits. Postpaid, pkt., 15c.

**CABBAGE, CHIEFTAIN.** A dandy early Savoy variety with crisp, large, firm heads of good quality and long standing. Growth is uniform and it is recommended for both garden and specialty commercial use. Postpaid, pkt., 15c.

**PEPPER, WINDSOR.** A good stock of very early Ruby King type, with good yield of medium sized fruits. Recommended for northern short season sections as a drought resisting, thick-fleshed, early sweet Pepper. Postpaid, pkt., 15c.

### Special Mention

**PEPPER, ROCKY FORD.** Large garden and commercial variety. It makes a large plant with large leaves and is a prolific bearer of large, rather thick-walled, fairly uniform, sweet fruits—size about 3 to 5 inches and square shouldered. Postpaid, pkt., 15c.

**BEEF, PERFECT MODEL.** A Detroit type of deep globe shape, skin and tender flesh very dark crimson. It has uniformity in good size, shape, and dark color throughout. For garden and commercial use. Postpaid, pkt., 15c.

### Special Offer

One packet each of above six All-America Selections of Vegetable Seeds, 90c value, postpaid for only **75c**

### SPECIAL OFFER

½ lb. Golden Colonel Sugar Corn  
1 pkt. Morse's Bunching Carrot  
1 pkt. A. & C. Cucumber  
1 pkt. Supreme Gulf State Tomato  
1 oz. Presto Spinach

Regular value 65c, sent postpaid for **40c**



# Russell-Heckle's Top Notch Vegetable Seeds

Are tested, of strong vitality and true to name. They are as good as can be obtained from any other source and are sold at very reasonable prices.  
Top Notch Seeds are guaranteed to give you entire satisfaction. Any single item that is not found entirely satisfactory will be re-

placed absolutely free of charge or we will refund every cent you paid for the seed, including carrying charges both ways.  
Nothing, we feel sure, could be fairer. We accept no responsibility for the crop or its value except only to the extent of amount of money you paid for the seeds.

## GARDEN PLANTING INFORMATION

VARIETY	When to Plant	Quantity for 100 Feet	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to Plant
ASPARAGUS SEED .....	February, March	2 ozs.	2 to 3 lbs.	18 to 24 in.	6 to 12 in.	1 in.
ASPARAGUS ROOTS .....	Feb., March—Nov.	100 plants	10 to 12 m.	3 to 4 ft.	12 to 18 in.	5 in.
BEANS, BUSH SNAP .....	April, May—July, Aug.	1 pt.	60 lbs.	2 to 3 ft.	3 to 4 in.	1 in.
BEANS, POLE .....	April, May—July, Aug.	1/2 to 3/4 lb.	15 to 20 lbs.	3 to 4 ft.	1 1/2 to 2 ft.	1 in.
BEANS, BUSH LIMA .....	April, May—July, Aug.	1 to 1 1/2 lbs.	30 to 40 lbs.	2 to 3 ft.	6 to 12 in.	1 in.
BEETS, GARDEN .....	March, Apr.—July, Aug.	2 ozs.	6 to 8 lbs.	2 to 2 1/2 ft.	3 to 4 in.	1 in.
BROCCOLI .....	March, Apr.—July, Aug.	2 pkts.	1/4 to 1/2 lb.	2 1/2 to 3 ft.	15 to 18 in.	1/2 in.
BRUSSELS SPROUTS .....	March, Apr.—July, Aug.	2 pkts.	1/4 to 1/2 lb.	2 1/2 to 3 ft.	15 to 18 in.	1/2 in.
CABBAGE .....	February to October	2 pkts.	1/4 to 1/2 lb.	2 1/2 to 3 ft.	18 to 24 in.	1/2 in.
CAULIFLOWER .....	Feb., Mar.—July, Aug.	2 pkts.	1/4 lb.	2 1/2 to 3 ft.	18 to 24 in.	1/2 in.
CARROT .....	February to September	1 oz.	4 to 5 lbs.	2 to 3 ft.	3 to 4 in.	1/2 in.
CELERY .....	February, March	2 pkts.	1/4 to 1/2 lb.	2 1/2 to 3 ft.	4 to 5 in.	1/2 in.
COLLARDS .....	Spring to Fall	1 oz.	1/2 to 3/4 lb.	2 1/2 to 3 ft.	12 to 18 in.	1/2 in.
CORN, GARDEN .....	March to August	1/2 lb.	10 to 12 lbs.	3 1/2 to 4 ft.	18 to 24 in.	2 in.
CUCUMBER .....	April to August	1 oz.	2 to 2 1/2 lbs.	4 to 5 ft.	4 to 5 ft.	1 in.
EGGPLANT .....	March to July	2 pkts.	1/2 lb.	3 to 3 1/2 ft.	2 to 3 ft.	1/4 in.
ENDIVE .....	March to August	2 pkts.	1 lb.	2 to 3 ft.	12 to 15 in.	1/2 in.
KALE .....	Spring to Fall	1 oz.	2 to 3 lbs.	2 to 3 ft.	6 to 8 in.	1/2 in.
KOHLRABI .....	March to September	1 oz.	1 lb.	2 to 3 ft.	5 to 6 in.	1/2 in.
LETTUCE .....	February to September	1 oz.	2 lbs.	24 to 30 in.	6 to 12 in.	1/4 in.
LEEK .....	March to September	1 oz.	2 lbs.	12 to 24 in.	4 to 6 in.	1/2 in.
MUSTARD .....	February to October	1 oz.	2 to 3 lbs.	2 to 3 ft.	3 to 4 in.	1/2 in.
MUSKMELON, CANTALOUPE ..	April to August	1 oz.	2 lbs.	4 to 6 ft.	4 to 6 ft.	3/4 to 1 in.
OKRA .....	April to July	1/4 lb.	8 to 10 lbs.	3 to 4 ft.	12 to 18 in.	1 in.
ONION SEED .....	February to September	1 oz.	2 to 3 lbs.	24 to 30 in.	3 to 4 in.	1/2 in.
ONION SETS .....	February to October	1 qt.	8 to 10 bus.	24 to 30 in.	3 to 4 in.	1 in.
ONION PLANTS .....	March to June	300 plants	32 m.	24 to 30 in.	3 to 4 in.	1 in.
PARSLEY .....	February to September	1 oz.	5 to 6 lbs.	18 to 24 in.	3 to 4 in.	1/2 in.
PARSNIP .....	February to August	4 ozs.	5 to 6 lbs.	18 to 24 in.	4 to 6 in.	1/2 in.
PEPPER .....	March to July	2 pkts.	1/4 lb.	2 to 3 ft.	18 to 24 in.	1/4 in.
PEAS, GARDEN .....	February to August	1 lb.	60 to 75 lbs.	2 1/2 to 3 ft.	3 to 4 in.	1 in.
PUMPKIN .....	April to July	1 oz.	2 to 3 lbs.	8 to 10 ft.	8 to 10 ft.	1 in.
RADISH .....	February to October	2 ozs.	8 to 10 lbs.	18 to 24 in.	1 to 2 in.	1/2 in.
RUTABAGA .....	March to October	1 oz.	2 to 3 lbs.	18 to 24 in.	4 to 6 in.	1/2 in.
SALSIFY .....	March to July	2 ozs.	6 to 8 lbs.	18 to 24 in.	3 to 4 in.	1/2 in.
SPINACH .....	January to October	2 ozs.	8 to 10 lbs.	2 to 3 ft.	1 to 2 in.	1 in.
SQUASH .....	April to August	1 oz.	2 to 3 lbs.	3 to 4 ft.	3 to 4 ft.	1 in.
TOMATO .....	February to July	1 pkt.	1/4 lb.	4 to 5 ft.	3 to 4 ft.	1/4 in.
TURNIP .....	February to October	1 oz.	2 to 3 lbs.	2 to 2 1/2 ft.	2 to 3 in.	1/2 in.
TOMATO PLANTS .....	April to July	24-36	3 to 4 m.	4 to 5 ft.	3 to 4 ft.	1 in.
WATERMELON .....	April to July	1 oz.	2 to 3 lbs.	8 to 10 ft.	8 to 10 ft.	1 in.



Asparagus

### Asparagus

**MARY WASHINGTON ROOTS.** Considered the best of all varieties; color green with slight purplish tinge. They should be set in rows for field culture, 16 inches apart in 4-foot rows. For home or garden use, set in beds 18 inches wide. Set roots 12 inches apart in the row. Place crowns 4 to 5 inches below surface of the ground. Have beds enriched with rotted manure or cotton seed meal. When sprouting starts, apply Nitrate of Soda. Keep beds well cultivated. Don't cut Asparagus the first season. Price, postpaid, 2-year roots, 25 for 60c; 50 for \$1.20; 100 for \$2.00. Not prepaid, 25 for 50c; 50 for \$1.00; 100 for \$1.75.

**MARY WASHINGTON SEED.** Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1 lb., \$1.00.



Artichoke

### Artichoke

**JERUSALEM GIANT.** Excellent for fattening hogs—they grow like potatoes. Plant in 4-foot rows 18 inches apart, any time in March or April. Three bushels of the tubers will plant one acre. The Artichoke is very easy to grow and is very productive. Postpaid, 3 lbs., 25c; 10 lbs., 60c. See Green Ink List for prices on larger quantities.

### Broccoli

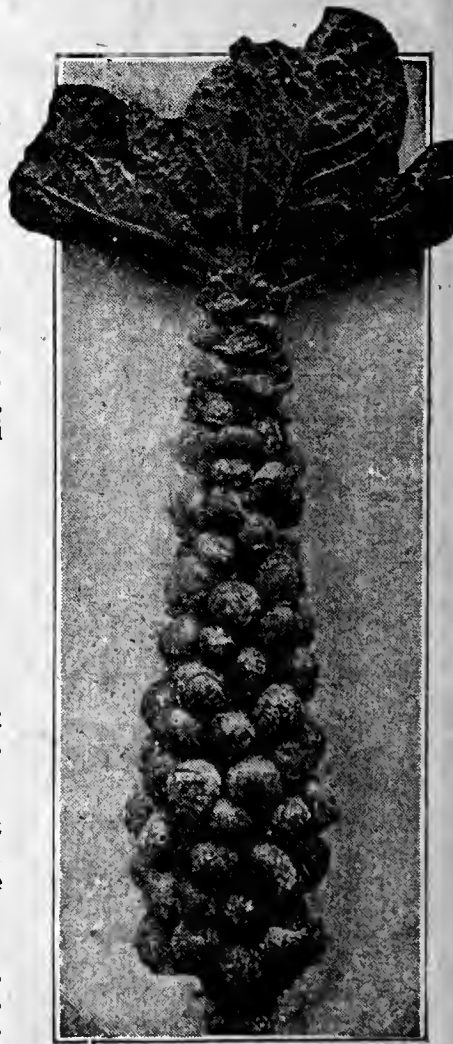
**Culture**—The seed should be sown and cared for in the same way as cabbage or cauliflower.

**GREEN SPROUTING CALABRESE.** A decidedly fine variety. The plant forms a solid, large, green head. When the central head is cut, sprouts come out from the leaf axils, each terminating in a small head as good as the first. Pkt., 10c; 1/2 oz., 25c; 1 oz., 40c; 2 ozs., 70c; 1/4 lb., 95c; 1 lb., \$2.75, postpaid. Broccoli plants priced on page 23.

### Brussels Sprouts

An erect growing plant whose stalk is closely covered with light green buds resembling small cabbages. Sow seed in March or April, one-half inch deep, transplant later to open rows two feet apart. Cultivate like cabbage. They can be sown outdoors April 1st. One ounce will drill 200 feet.

**LONG ISLAND IMPROVED.** Pkt., 10c; 1/2 oz., 15c; 1 oz., 25c; 2 ozs., 35c; 1/4 lb., 60c; 1 lb., \$1.75, postpaid. Brussel Sprouts plants priced on page 23.



Brussels Sprouts



# BUSH BEANS

**Culture**—1 lb. of seed will sow 60 feet of row; 60 lbs. will plant one acre. Begin planting in this section about the middle of March and make successive plantings three or four weeks apart up to September 1st. This will give green Beans all through the season. Keep young Beans picked—do not let them go to seed; it will prolong the bearing season of the plants.

Sow in drills 2 to 3 feet apart, dropping a Bean every 3 to 4 inches, cover about 1 inch, plant in good, loamy soil, avoid heavy clay or cold places, cultivate often until vines begin to bloom, then discontinue working the plants to avoid disturbing the shallow top roots. Never cultivate or work while the soil is heavy or wet. Dust or spray plants when 10 inches high, to prevent the Mexican Bean Beetle, with Slug Shot or Garden Guard, both of which are non-poisonous or harmless to human beings and animals, but are death to most all insects.

"Inoculate your Bean seed before planting; the trial size Nitragin only costs a dime. The use of Nitragin increases the crop, and hastens the growth. You will be well pleased with the results of Nitragin treatment."

**BLACK VALENTINE.** 53 days. Plant vigorous, hardy and prolific; pods dark green, very uniform, symmetrical, green and attractive. The Beans are one-half inch wide, almost round and when picked young they are slender and very tender, fine for early market, since it can be planted with safety sooner than any other variety on account of its hardiness. Seeds solid black. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 85c.

**BLACK VALENTINE, STRINGLESS.** This green pod Bean is typically Black Valentine. Has all the sturdy characteristics which popularized Black Valentine as a producer and shipper; has long, practically straight oval pods of good color and texture and is completely stringless. The trade has been waiting for a Bean with these characteristics and it has taken twelve years to perfect it. Postpaid, ½ lb., 25c; 1 lb., 35c; 2 lbs., 55c; 5 lbs., \$1.10. Not prepaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c.

**BOUNTIFUL.** Sometimes called Six Weeks. 48 days. Is the earliest of the green varieties. A very productive Bean; pods are about 5 inches long, straight, handsome, rather light green and flat, and of good quality. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**BURPEE'S STRINGLESS GREEN POD.** 52 days. A favorite and one of the finest green pod varieties for home garden, market gardener and canner. Plant is large, hardy and a heavy yielder. Pods round, medium green, 5½ inches long, slightly curved, thick, meaty and juicy; perfectly stringless and fiberless. Brittle, tender and tasty. Seeds coffee-brown. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**FULL MEASURE BUSH BEANS.** 54 days. A fine green podded bush Bean of handsome appearance with round green beans measuring 5 to 5½ inches long and ¾ inch thick. They are brittle, tender, fleshy and stringless at all stages of growth. The plants make an erect growth, bearing a truly enormous crop of attractive Beans. Seed reddish brown, splashed with pale buff. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c.

**GIANT STRINGLESS GREEN POD.** 54 days. An excellent variety for both early and late planting, very desirable for home, market gardeners, canning and shipping. Pods round, medium green, 6 inches long; fairly straight, brittle, very fleshy and entirely stringless. Seeds light brown. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**LANDRETH'S STRINGLESS.** An individual plant selection out of Burpee's Stringless Green Pod. Vine is more erect with darker foliage and larger, slimmer pods which stay greener than the original type. Pods 6 to 8 inches long, round, slightly curved and absolutely stringless. Ready for picking in 54 days. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c.

**TENDERGREEN.** 54 days. This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green Beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c.

**TENNESSEE GREEN POD.** 54 days. Very popular in some sections of the South and sometimes called Dwarf Kentucky Wonder. Plant medium large, spreading, hardy and productive. Pods flat,



Full Measure Bush Bean



Stringless Black Valentine

broad and quite irregular in shape, medium green, 6 to 7 inches long, curved, slightly stringy, but of good flavor. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c.

**IMPROVED EARLY RED VALENTINE.** Plant medium size, erect, very productive. Pods 4 to 5 inches long, medium green, round, curved, slim with crease in back; very fleshy, crisp and tender. Ready to pick in 55 days. This variety is an old favorite in the southern states. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

## Dwarf Shell or Field Beans

**Culture**—Do not plant until all danger of frost is past and the soil is warm. Plant in rows 2 to 3 feet, spacing the seed 2 to 3 inches apart, and cover 1 to 2 inches deep. One lb. for 100 feet; 60 to 75 lbs. per acre.

**For Winter Use—Ripe in 90 to 100 Days.**

**GREAT NORTHERN.** The standard dry shell Bean used for baking and soup. Vine large, slender, spreading with short runners, hardy and productive.

**WHITE NAVY BEAN.** This small shell Bean will out-yield all others. Excellent for use as baked beans. Plant large, spreading with many runners.

**WHITE KIDNEY.** An excellent dry shell Bean used for baking and soup. Plant bushy, vigorous and productive. Seed large, white, kidney-shaped.

**RED KIDNEY.** Same habit as White Kidney, except the Bean is red in color. Used for baking.

**PINTO.** A standard shell Bean, grows well in the South. Vine 2½ feet, vigorous and productive.

**Price, any of above 5 varieties of Shell Beans:** Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

Tennessee Green Pod





Henderson's Bush Lima

# Wax or Yellow Podded Bush Beans

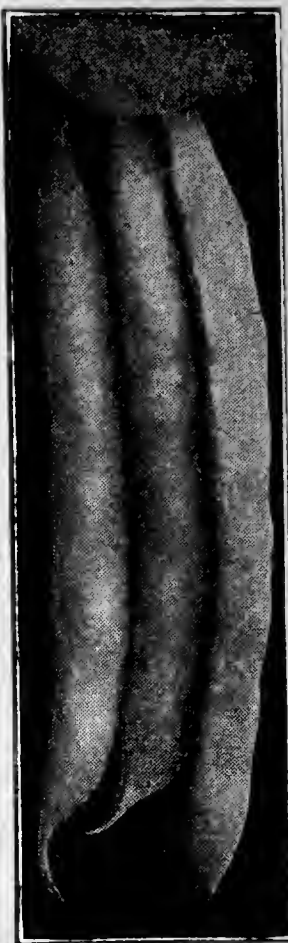
The Wax-Podded varieties have a buttery flavor which the Green-Podded do not have, but usually people tire of the Wax varieties sooner than the green pod; to many the Wax pods have a more attractive appearance.

**IMPROVED GOLDEN WAX.** 53 days. A real early stringless type that is standard for the home garden. Superior quality, flat, straight pods, 4 inches long. Light colored vines grow 10 inches high. Seeds white and purple. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 80c.

**PENCIL POD WAX.** 59 days. Stringless, meaty, deep yellow round pods which are 6 inches long, slightly curved, vine dark and vigorous. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c.

**SURE CROP WAX.** 57 days. Popular market and home variety. Rust-proof and prolific, pods flat, 6½ inches long. Black seeds. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c.

**PROLIFIC BLACK WAX.** 52 days. Very early and productive; pods large and round, five to six inches long, strictly stringless, very brittle and of excellent quality. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 80c.



Golden Wax Improved

## BUSH LIMA BEANS

**Culture**—Lima Beans grow best on rich, well drained, porous soil. Do not plant until danger of frost is over, the soil warm and moderately dry, and the nights quite warm, as Lima Beans are a tender vegetable. In most sections Limas are planted about two weeks after the first planting of bush or snap Beans. Plant in drills 2½ to 3 feet apart, spacing the seed 6 to 8 inches apart, and plant them edgewise with the eye downwards. Cover 2 inches deep. Cultivate shallow and frequently until the plants blossom. Pick the pods as soon as the Beans are of edible size. ½ lb. will plant 75 feet of row; 45 to 60 lbs. to an acre.

**HENDERSON'S BUSH LIMA.** 70 days. The earliest variety. Ten days earlier than Burpee's Bush Lima. Sometimes called Baby Lima. Used largely by canners. Plant small, dark green, erect, bushy; pods flat, containing 3 to 4 flat, light green beans or seed, of excellent flavor when ripe and dry. Best yields obtained on warm, sandy loam. Dry beans creamy white. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**JACKSON WONDER BUSH LIMA.** 65 days. This is also called Never Fail Bush Lima. The most prolific of all varieties; excellent, drought resistant and sure cropper. Pods about 3 inches long, ¾ of an inch wide, filled with 3 or 4 beans, which are medium size, flat, light brown to purple, mottled, also good as a winter shell Bean. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 85c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c.

**BURPEE'S IMPROVED BUSH LIMA.** 75 days. An improvement over the old Burpee's Bush Lima, slightly earlier and larger. Plant sturdy, vigorous and very productive. Pods 5 inches long, contain 3 to 4 beans, flat but thicker than Burpee's Bush. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., 90c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 75c.

**WOOD'S PROLIFIC BUSH LIMA.** Similar to Henderson's but slightly larger. Ready to pick in 72 days. Extremely prolific, of true bush form, and very early, beans white, valuable when fresh or dried. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 80c.

**MCCREA'S BUSH LIMA.** A new improved, very early type of Baby Lima. Ready for market in 74 days. Pods thick, 3 inches long, filled with 3 to 5 plump green beans of delicious quality. Postpaid, ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00. Not prepaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 85c.

**FORDHOOK BUSH LIMA.** 75 days. Plant large, erect and productive; pods 4 to 4½ inches long, ½ inch thick and contain 3 to 4 beans, which are thick, plump, white and of fine flavor. Postpaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 55c; 5 lbs., \$1.15. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00.

**AGI-CIDE** AGRICULTURAL INSECTICIDE  
Protects the Nation's Crops

Kills Mexican Bean Beetles, Aphis, Leaf Hoppers, Mealy Bugs. Non-poisonous. 12-oz. blower package, 75c. Postpaid, 85c.



King of the Garden Pole Lima

## Pole Butter or Lima Beans

**Culture**—One pound will plant 100 feet of row; 30 lbs. to the acre. Set poles 4 feet apart each way. Drop 4 to 6 beans in each hill; the large types with eye downward. Cover 1 to 1½ inches, thin to three plants when up. Plant after ground is warm in April and May. Late plantings can be made up to August 1st.

**CAROLINA or SIEVA.** Matures in 78 days. In the South this is familiarly known as the "Butter Bean." It is very early, vigorous and productive. The seeds are small and white but of good flavor. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**FLORIDA or SPECKLED CALICO POLE BUTTER BEAN.** This is undoubtedly the greatest yielding Pole Lima Bean known today. It commences to bear very early and bears continually until killed by frost. Matures in 82 days. It is an extra fine flavored Bean, both in the green state and when shelled dry for winter use. The beans are medium size, beautifully speckled or blotched dark red to black. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**WILLOW LEAF LIMA.** 90 days. A great yielder and fine flavored. The vines are vigorous with many short branches. The leaves are small, smooth, stiff, glossy and dark green. The pods are dark green, short, about three inches, curved. Seed small, flat and white. Postpaid, ½ lb., 25c; 1 lb., 35c; 2 lbs., 55c; 5 lbs., \$1.15. Not prepaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., \$1.00.

**KING OF THE GARDEN LIMA.** 88 days. An old favorite variety, bearing large dark green pods, with 4 to 5 large white beans of fine quality. Postpaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00. Not prepaid, ½ lb., 15c; 1 lb., 30c; 2 lbs., 40c; 5 lbs., 85c.

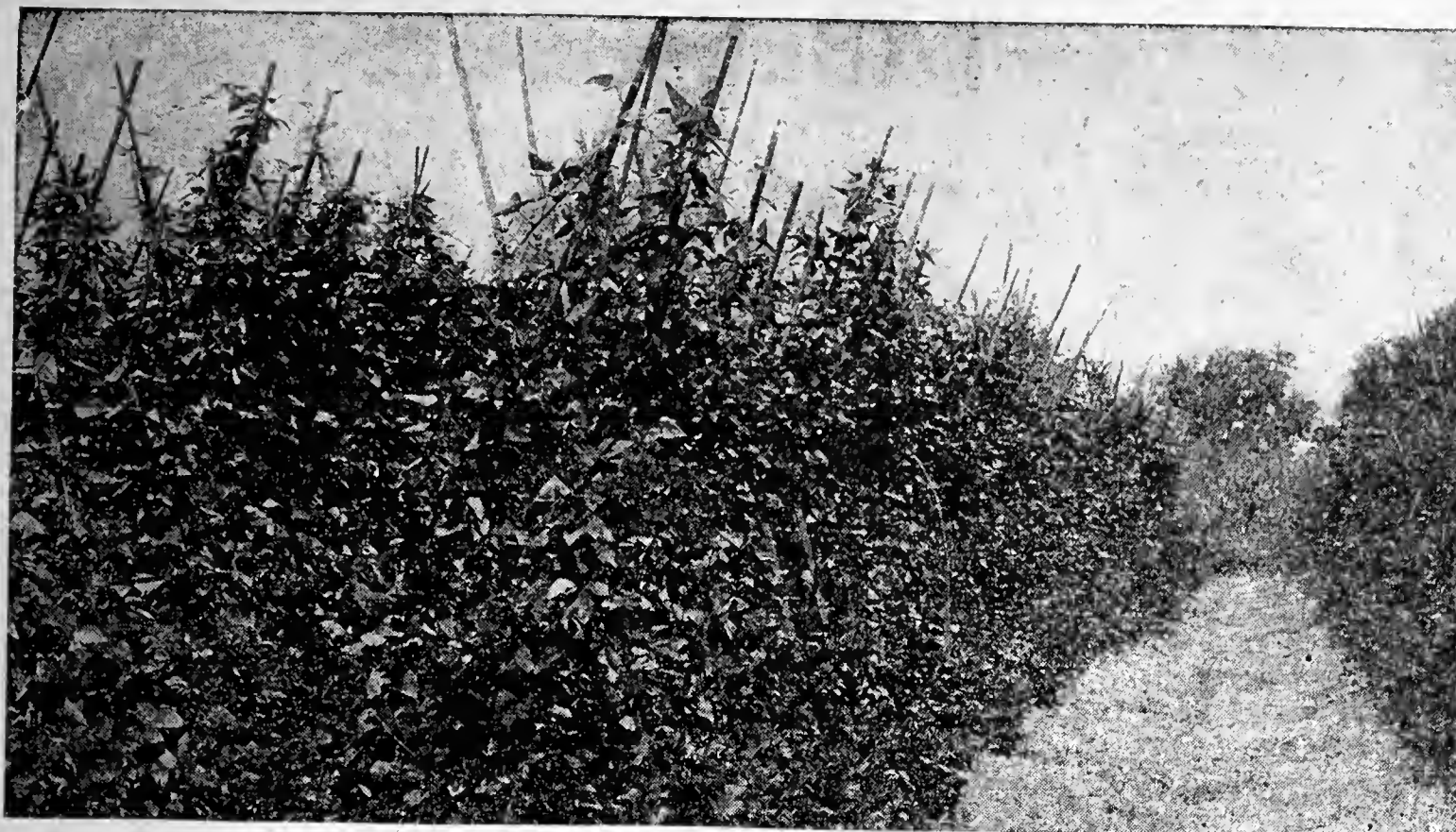
**LARGE WHITE LIMA.** 88 days. Beans greenish white, large size, matures late. The most productive variety for this section. Postpaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00. Not prepaid, ½ lb., 15c; 1 lb., 30c; 2 lbs., 40c; 5 lbs., 85c.

### BEAN SPECIAL

½ lb. Black Valentine Stringless  
½ lb. Bountiful Bush Green Pod  
½ lb. Henderson Bush Lima  
½ lb. Kentucky Wonder Pole  
½ lb. Scotia Cornfield Beans

Sent Postpaid For Only **60¢**





## POLE or RUNNING BEANS

**Culture**—Plant two weeks after the Bush varieties, when the ground begins to warm up. Pole Beans can be planted every three or four weeks up to August 20th, and they will make a crop. Fall Beans are always tender. Have rows 3 to 4 feet apart; 2 pounds will plant 150 hills. Drop two seeds  $1\frac{1}{2}$  to 2 feet apart, cover one inch, cultivate as needed. For market use it requires 18 to 20 pounds to plant an acre.

Pole Beans can also be planted on wire fences or on a trellis. Plant 2 feet apart;  $\frac{1}{2}$  lb. of seed will plant 100 feet of fence row. When planting in corn, drop two or three seeds to every hill when corn is 12 inches high. Inoculate seed with Nitragin to make better yields.

**Market Gardeners** See our Green Ink List for prices on larger quantities. If you grow for market, you are entitled to quantity prices.

Kentucky Wonder

**KENTUCKY WONDER.** 65 days. The best of all and most popular of the green-podded running Beans. Unexcelled for home, market garden and for canning. Plant a hardy, strong climber that continues to bear until frost. Pods round, 8 to 10 in. long, curved and saddle-backed; stringless when young, very fleshy, fiberless, brittle and of superb flavor when cooked. Postpaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid,  $\frac{1}{2}$  lb., 10c; 1 lb., 20c; 2 lbs., 35c; 5 lbs., 65c.

**SCOTIA or STRIPED CREASEBACK.** (Cornfield). A very hardy and productive cornfield Bean. Pods  $6\frac{1}{2}$  to 7 inches long, round, straight and creasebacked; slightly stringy, very fleshy, fine grained, attractive and a good quality; color dark green. Ready for picking in 72 days. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c.

**McCASLAN.** 65 days. An early prolific Bean, excellent for home market as a snap or dry shell Bean. Pods deep green, 8 inches long, slightly flattened, almost stringless and of fine flavor. If kept closely picked, they will bear until frost. Postpaid,  $\frac{1}{2}$

lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 80c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c.

**IDEAL MARKET.** 58 days. Particularly desirable for home garden and truckers, being a week earlier than Kentucky Wonder. Plant hardy and vigorous. Pods round, deep green, 6 inches long, slightly curved, meaty, tender and stringless when young. Seeds solid black. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.05. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 90c.

**TENNESSEE WONDER.** 70 days. The largest and handsomest of the vining varieties. Plant medium, good climber and moderately productive. Pods round, light green, 8 inches long, straight, creasebacked, fleshy, brittle and tender, stringless when young. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c.

**WHITE CREASEBACK.** An extremely early Pole Bean. Vines small to medium and wonderfully productive, bearing pods in clusters of from 4 to 12 and medium in length. An excellent shipper. Ready to pick in 63 days. Seeds white, excellent for baking. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c.

**KENTUCKY WONDER WAX.** 76 days. A heavy yielding wax-podded pole Bean, for home or market gardens. Curved, yellow, flat pods grow 10 inches long, meaty and of good flavor, but show strings. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c.

**WHITE-SEEDED KENTUCKY WONDER.** 78 days. Similar in growth to the Kentucky Wonder, but the pods are long, straight, and entirely stringless. The white beans are also fine for winter use. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.10. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c.

**RED SPECKLED CUT SHORT.** 65 days. Very productive, pods medium length, round and fleshy. Can be used for planting in corn. Prepaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 80c.

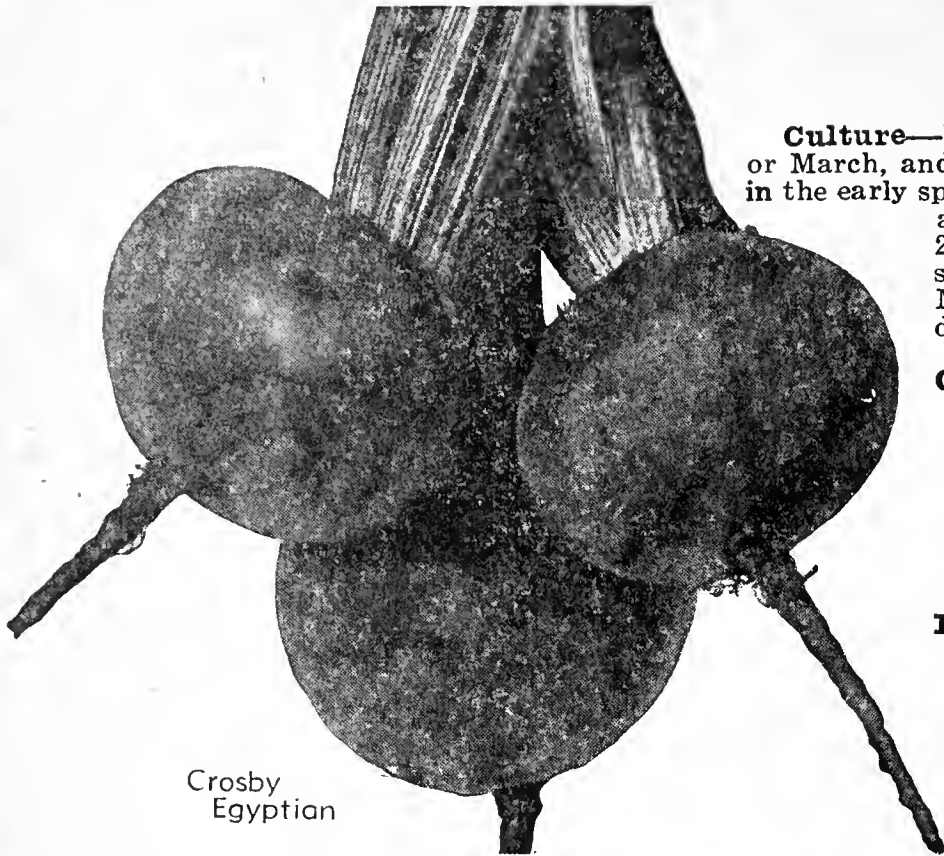
**ASPARAGUS YARD LONG BEANS.** 80 days. This is a most unusual green-podded snap Bean, often called Yard Long, though the pods usually do not grow more than 2 feet in length. It is a rampant grower, requiring a moderately long season to come into bearing. The yield from these plants is truly astonishing. The pods are palatable and tasty and should be picked while still young. The seeds are brown. Postpaid,  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c. Not prepaid,  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c.

Scotia

McCaslan



# TABLE BEETS



Crosby  
Egyptian

**Culture**—For earliest use and market, sow seed of any round sort under glass, in February or March, and transplant to open ground in March or April. Seed for main crop may be sown in the early spring as soon as ground can be worked. For table Beets sow in drills 18 inches apart, and thin to stand 3 to 4 inches apart in the rows. A packet will sow a row about 25 feet long; use 1 ounce to 100 feet; 5 to 6 lbs. per acre. The round and turnip-shaped Beets are best for spring and summer, the half-long kinds for winter. Make successional plantings and cultivate freely. They are fit for use in 35 to 65 days. Beet tops are much used for greens, being cooked like spinach.

**CROSBY'S EGYPTIAN.** 42 days. Medium size tops, roots flattened globe shape; flesh deep red, zoned lighter. Our strain of this quality Beet is a decided improvement on the older forms of Egyptian and we claim there is no better early garden Beet, as it increases in size so rapidly. The roots are larger and more globular though still somewhat flattened at the top, representing more or less of a turnip shape. The skin is a very deep red and the flesh is somewhat lighter in color. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.00, postpaid.

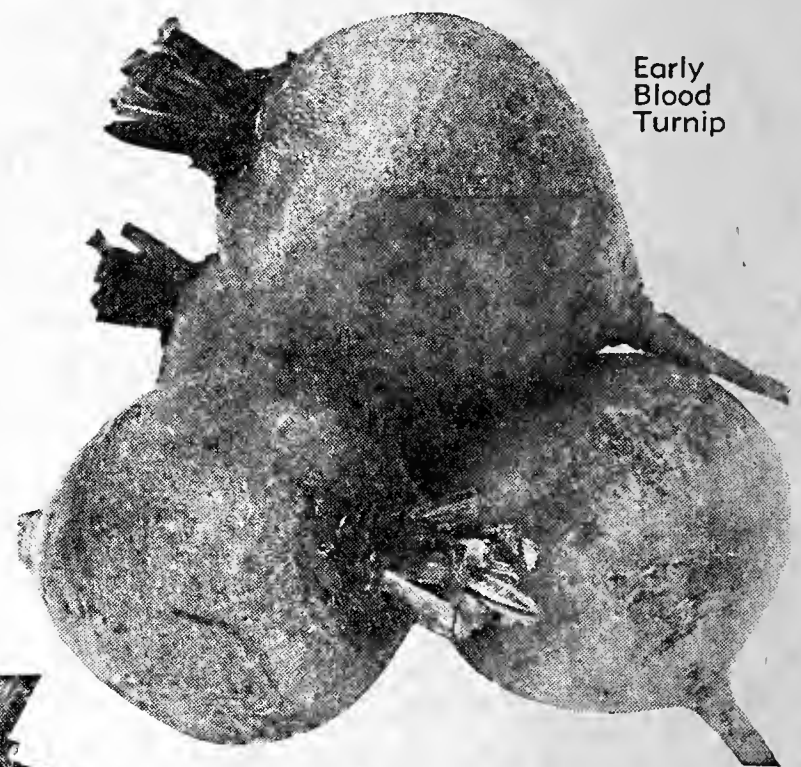
**EARLY WONDER.** 40 days. Also known as Boston Crosby. Early, tender and sweet dark red roots. This early Beet is the result of yearly selection made over a period of time. As we offer it today it seems almost impossible to still further improve its appearance and excellent quality. It is probably the earliest of the small table Beets for outside growing. The roots are flat to globe in shape, of a beautiful deep red color, and of medium size roots and tops. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.00, postpaid.

**DETROIT DARK RED.** 50 days. A highly bred, globe-shaped Beet for home or market. We offer a special strain of this famous Beet. It excels in uniformity of size, shape and color, being suited for home use, market sales, storing, shipping and canning. The roots are of medium size, smooth, perfectly globe-shaped, and of attractive appearance. The color of the flesh is a most intense deep red, showing no signs of any zones after cooking. It remains tender throughout and free from fiber until fully grown. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.10, postpaid.

**EARLY BLOOD TURNIP.** 60 days. A medium early variety, good for summer or winter use. Roots grow to a good marketable size; flesh is deep red and of good quality. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.00, postpaid.

**ECLIPSE BLOOD TURNIP.** 55 days. An old favorite; smooth, bright red roots, round or slightly top-shaped. The flesh is bright red, zoned with pink. Very sweet, crisp and tender when young. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.10, postpaid.

BEET PLANTS PRICED ON PAGE 23.



Early  
Blood  
Turnip



## FOR FLOWERS and VEGETABLES

This complete odorless plant food is a square meal for your garden crops. Use Vigoro on your Radish, Cucumber, Squash, Watermelons, Flowers, etc. Watch them grow.

1-lb. carton, 10c; by mail, 18c.  
5-lb. carton, 45c; by mail, 65c.  
10-lb. carton, 85c; by mail, \$1.10.  
25-lb. bag, \$1.50; by mail, \$1.90.



Swiss  
Chard

## SWISS CHARD or Spinach Beet

**Culture**—Swiss Chard is a beet grown for its leaves. The midrib, when boiled, makes delicious greens or the leaves may be boiled and served as spinach.

Sown in the spring the leaves are soon ready to eat and will continue to grow all through the summer and fall.

**GREEN-LEAVED.** 52 to 62 days. Large, smooth, dark green leaves with silvery white stems which are tender and of fine flavor.

**LUCULLUS.** 52 to 62 days. A new variety with curled leaves like a Savoy cabbage. The plant grows nearly 2 feet high and the stem and leaves are very large and of fine quality.

**PRICES, Either Variety:** Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.00, postpaid.

**SPECIAL NOTICE:** Above prices are postpaid; for quotations on larger quantities, refer to our Green Ink List.



Klein  
Wanzleben

## MANGELS or Stock Beets

Mangels yield more tons of feed per acre than any other crop, often yielding 18 to 20 tons of roots per acre, some of the roots weighing 20 to 30 lbs. each. They should be fed regularly to all stock. They not only increase milk production in dairy cows, but tend to promote the development of large, robust, fleshy animals that bring profit to the stockman.

**Culture**—One ounce to 50 feet of row, 5 to 6 pounds per acre. Sow in drills 2½ feet apart; when about three inches high, thin to 10 inches apart in the row. Mangels do best on rich, deep loam, but can be grown on a variety of soils. It requires about 120 days to grow Mangels.

**Prices, any of the following stock Beets:** Postpaid, pkt., 4c; oz., 7c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.40. Not prepaid, 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20.

**GIANT FEEDING SUGAR.** Desirable for stock feeding, being especially rich in sugar.

**GOLDEN TANKARD MANGEL.** Yields enormous crops; flesh deep orange-yellow; oblong in shape.

**MAMMOTH LONG RED MANGEL.** Grows to an enormous size in deep, rich soil.

**KLEIN WANZLEBEN SUGAR.** Skin white with a tinge of gray; flesh very rich in sugar.



# CABBAGE

**Culture**—For very early use sow in January or February in hotbeds; put out when the plants are strong enough into other hotbeds, or sow in cold frames in March; transplant when danger from killing frost is past, to open ground in rows 2 feet apart and 18 inches in the row. For a succession sow in the open ground the last of March or early in April. The autumn and winter varieties sow in April or early in May, in shallow drills 3 or 4 inches apart; transplant early in July in rows 2½ feet apart and 2 feet in the row. Cabbage succeeds best in fresh, rich soil, well manured and deeply dug or plowed. One ounce of seed produces about 2000 plants; one-half pound will produce enough plants to set an acre. We have indicated the average number of days required to produce heads from the date the young plants are set in the field.

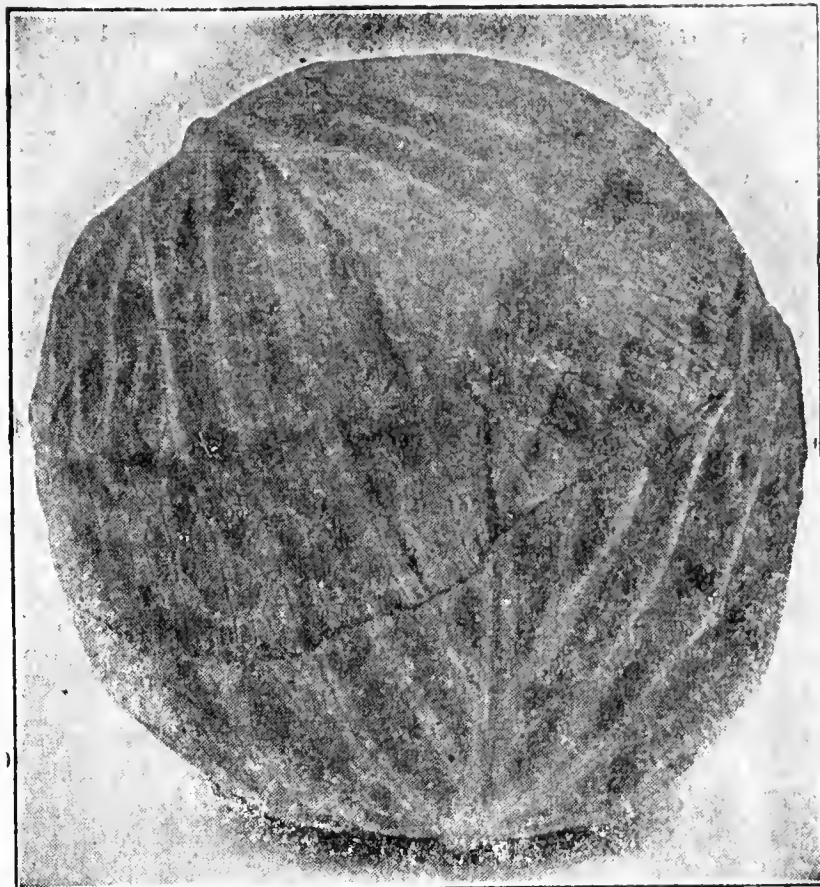
Prices include postage on pkts., oz., 2 ozs., ¼ lb., ½ lb., 1 lb.

**ALL HEAD EARLY.** 75 days. One of the earliest large Cabbages. A flat Dutch type of compact growth and heavy yield. Larger than Flat Dutch and a little later. Remarkably uniform size and shape. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10.

**ALL SEASONS.** 90 days. The name best describes this variety as it is sure-headed, of the Flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and solid. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20.

**CHARLESTON or LARGE WAKEFIELD.** 71 days. A selection from Early Jersey Wakefield, producing a larger and more solid head. Charleston Wakefield is more uniform in type and a much better shipping variety; of fine quality. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20.

**COPENHAGEN MARKET.** 66 days. The heads average about 10 pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20.



Copenhagen Market

**LARGE DRUMHEAD SAVOY.** Matures in 90 days. Leaves curled, tender and delicately flavored when touched by frost. Heads flattened, nearly round; leaves coarsely crimped, bluish green. A favorite for fall and winter market. Sow seed in June and July. Set in the open in September. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20.

**LARGE LATE FLAT DUTCH.** 110 days. Remarkably large, solid heads of bluish green with a broad, flat surface and interior of fine quality; crisp, tender, white; a good keeper. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10.

**SUCCESSION.** 84 days. A sure heading variety; fine for market. Heads solid, compact, large and flattened, will average 12 pounds. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10.

## We Sell

Any 3—5-cent packets of Garden Seed for \$0.10  
Any 7—5-cent packets of Garden Seed for \$0.25  
Any 15—5-cent packets of Garden Seed for \$0.50  
Any 35—5-cent packets of Garden Seed for \$1.00

## Frost-Proof Cabbage Plants

Prices postpaid: 100 plants, 35c; 200 for 60c; 500 for \$1.20; 1000 for \$1.75.

Not prepaid: 100 plants, 25c; 200 for 45c; 500 for \$1.00; 1000 for \$1.50.

For varieties, see page 23.

Large buyers write us for special prices. All Cabbage plants shipped direct from growing station.

**EARLY JERSEY WAKEFIELD.** 62 days. Dwarf, compact plants maturing very early. The heads are pyramidal in shape, having a blunted or rounded peak. Very sweet flavor. Small outside foliage and a uniform crop. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20.

**EARLY DRUMHEAD.** 80 days. An old favorite; one of the best of the second early varieties. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

**EARLY FLAT DUTCH.** 72 days. Excellent second-early variety, producing fine large heads. Highly valued for the fine quality and ability to resist heat. Heads are round, flattened on top, measure 13 inches across and weigh from 10 to 12 pounds each. A favorite kind with many market growers. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10.

**EARLY SUMMER.** 74 days. Medium sized heads, globular, with flattened top, solid and compact, matures in 76 days from plants. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

**GOLDEN ACRE.** 64 days. This early, round-headed Cabbage closely resembles Copenhagen Market in type. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 35c; ¼ lb., 55c; ½ lb., 85c; 1 lb., \$1.35.

**LARGE LATE DRUMHEAD.** 105 days. A dependable heading variety, good winter keeper, solid and firm. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10.



Pe-Tsai

## Chinese Celery Cabbage

Chinese Cabbage has a distinct taste and flavor; when cooked it can be served like spinach, using the green part of the leaves. The middle ribs are very palatable cooked like asparagus. Raw, it is used like lettuce or cold slaw and is very tender and delicious.

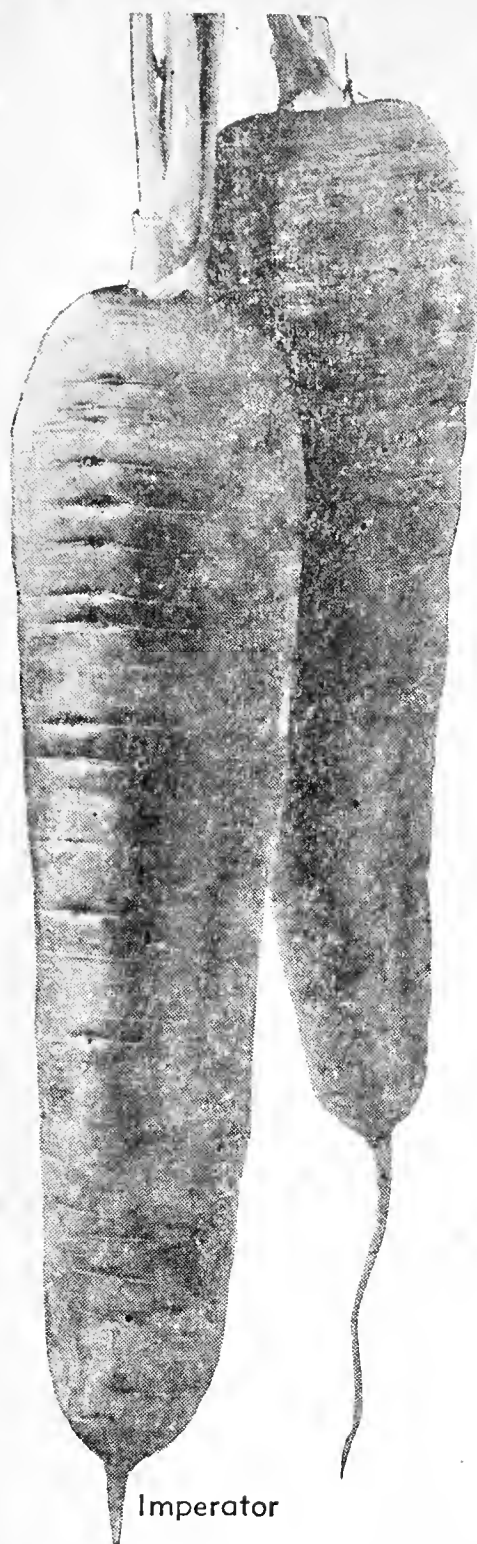
**Culture**—Sow in March and April; also in July and August for fall crop; transplant and treat like cabbage. Tie up when plants begin to head.

**PE-TSAI.** 70 days. Grows upright, forms pure white heart. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

**WONG BOK.** 72 days. Heads heavier and more solid than Pe-Tsai, shorter and thicker; blanches easily. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 70c; 1 lb., \$1.10.



# CARROTS



Imperator

**Culture**—The Carrot, whether used raw, fried, boiled or stewed, used alone or combined with other vegetable or meat is not surpassed in nutritious healthfulness by any vegetable. Plant Carrot seed from the time the soil can be worked in the spring till July, in 1- or 2-foot rows for hand cultivation or in 30-inch rows where a horse-drawn tool is used. Use 1 ounce of seed to 100 feet of row, 3 to 4 pounds to the acre, covering one-half inch deep and later thin to a 4-inch stand. To cultivate the rows at an early date, sow radish seed, which germinates quickly, with carrot seed, which germinates slowly. Do not overlook the value of this crop as a stock food.

**HALF-LONG SCARLET CHANTENAY.** 72 days. Market gardeners know this to be the perfect Carrot and one of the most salable market varieties. An excellent, all-purpose sort earlier than the Danvers and a heavy cropper. Desirable for home and market gardeners and shippers. Roots deep orange, smooth, 5 to 6 inches long, 2 1/4 inches thick, broad shoulders gradually tapering and stump-rooted at the lower end. Flesh deep orange with distinct core. Pkt., 5c; oz., 15c; 2 ozs., 20c; 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.30, postpaid.

**MORSE'S BUNCHING.** Refer to page 3 for description. Pkt., 10c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; 1/2 lb., 60c; 1 lb., 90c; 2 lbs., \$1.50, postpaid.

**DANVERS HALF-LONG.** 75 days. One of the favorite main crop varieties known by all. Very productive and used extensively by market gardeners, shippers and home gardeners. Roots bright deep orange, 6 to 7 inches long, 1 3/4 inches thick, broad shoulders tapering to a blunt point. Flesh bright orange, tender, rich in flavor and very sweet. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.30.

**IMPERATOR.** 75 days. This new Carrot has already become very popular as it combines both attractive appearance with first class quality. The roots are 7 to 8 inches long, tapering gradually toward the tip. Rich orange color with indistinct core. Exceptionally mild and sweet flavored. Pkt., 5c; oz., 15c; 2 ozs., 25c; 1/4 lb., 35c; 1/2 lb., 50c; 1 lb., 80c; 2 lbs., \$1.40, postpaid.

**OXHEART.** 72 days. Roots bright orange, heart-shaped, flesh deep orange and sweet, has small tops; easily harvested. Pkt., 5c; oz., 15c; 2 ozs., 20c; 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 75c; 2 lbs., \$1.30, postpaid.

**IMPROVED LONG ORANGE.** 88 days. Roots reddish orange, 12 inches long, 2 inches thick, tapering to a point; flesh red-orange. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.30, postpaid.

**YELLOW BELGIAN.** 100 days. Excellent for stock feeding, highly nutritious and very productive, yielding as high as 10 tons to the acre. Pkt., 5c; oz., 10c; 2 ozs., 20c; 1/4 lb., 25c; 1/2 lb., 35c; 1 lb., 65c; 2 lbs., \$1.10, postpaid.

## Cardoon

A tender and fine flavored variety which blanches easily. Sow in April. Pkt., 10c; 1/2 oz., 15c; oz., 25c; 2 ozs., 35c; 1/4 lb., 60c; 1/2 lb., \$1.00; 1 lb., \$1.75, postpaid.

## Chicory

Also called French Endive. Sow in early spring.

**WITLOOF.** Used as a winter salad. Ready in 75 days. Pkt., 5c; 1/2 oz., 15c; oz., 25c; 2 ozs., 35c; 1/4 lb., 50c; 1/2 lb., 75c; 1 lb., \$1.25, postpaid.

## Collards

**Culture**—Sow in spring 1/2 inch deep in 2 1/2-foot rows, thin to 12 inches in the row. Late plantings for fall use should be made in June and July. Cultivate like cabbage; they are very hardy and easy to grow. One ounce will drill 200 feet of row or make 1000 plants. Use 1/2 to 2 lbs. to sow an acre in drills.

**GEORGIA WHITE CABBAGE.** 80 days. An improved type, producing compact plants 1 1/2 feet tall with clusters of loose leaves, forming a small head of fine flavor. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1/2 lb., 35c; 1 lb., 45c; 2 lbs., 70c, postpaid.

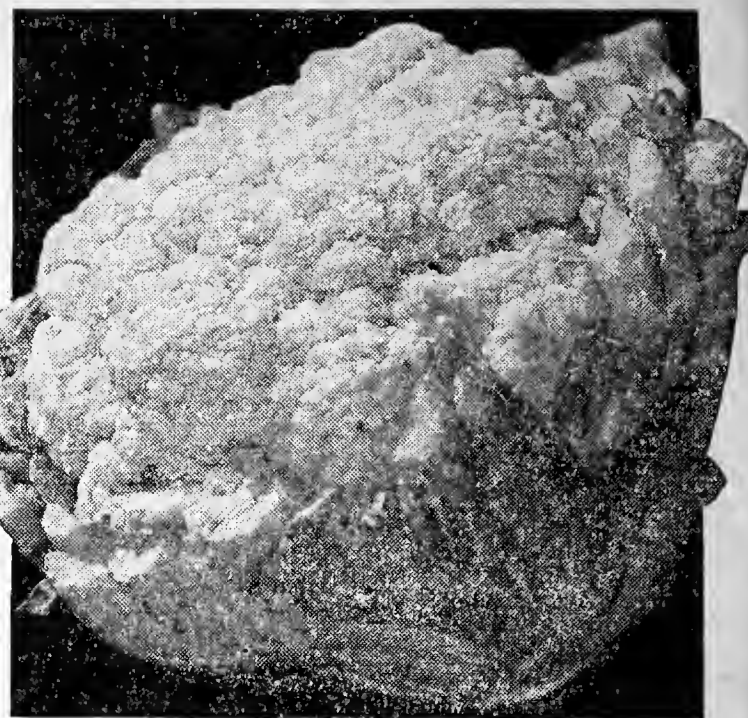
**SOUTHERN or GEORGIA.** 80 days. The regular native blue stem variety which is very hardy and tender. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1/2 lb., 35c; 1 lb., 45c; 2 lbs., 70c, postpaid.



Georgia White Cabbage Collard

## Cress

**CURLED or PEPPER GRASS.** 40 days. Small green curly leaves, pungent, used as a salad. Sow in spring and thin to 3 inches in the row. Pkt., 5c; oz., 15c; 2 ozs., 25c; 1/4 lb., 35c; 1/2 lb., 60c; 1 lb., \$1.00.



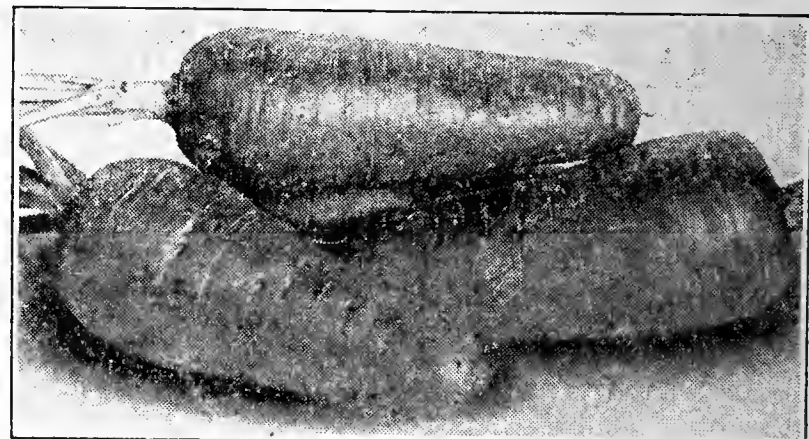
Snowball Cauliflower

# CAULIFLOWER

**Culture**—Sow in beds or boxes in January or February and transplant to the garden in March or April. Cultivate like cabbage. When half grown, tie leaves up to make white heads. 1 pkt. will produce 200 plants; 1 oz. will produce 1000 plants.

**EARLY SNOWBALL.** 55 days from plants. Forms large, solid white heads. Plants dwarf, which allows for close planting. Our stock of Early Snowball Cauliflower is the best obtainable, dependable in every way either for forcing or outdoor use. Pkt., 10c; 1/4 oz., 40c; 1/2 oz., 75c; oz., \$1.25.

Cauliflower plants priced on page 23.



Danvers Half Long

# CELERY

**Culture**—Sow in March in beds. When plants are high enough, transplant to good rich soil, 5 inches apart in rows wide enough to work. Bank or earth up several times to assist in blanching.

**GIANT PASCAL.** 120 days. Golden yellow heart.

**GOLDEN SELF BLANCHING.** 110 days. Heart solid yellow.

**WHITE PLUME.** 112 days. Leaves and heart white.

Prices, above 3 varieties of Celery:  
Pkt., 5c; 1/2 oz., 15c; oz., 25c; 2 ozs., 40c; 1/4 lb., 65c; 1/2 lb., \$1.00; 1 lb., \$1.75.

Celery Plants priced on page 23.

## Corn Salad

45 days. A distinct salad; leaves oval, green, served like lettuce. Sow in August. Pkt., 5c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; 1/2 lb., 75c; 1 lb., \$1.25, postpaid.

## Chives

Also called Schnittlauch. For flavoring soups, cottage cheese, etc. Sow in March, transplant in April. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 ozs., 75c; 1/4 lb., \$1.10, postpaid.



# GARDEN AND SWEET CORN

**Culture**—Plant the garden Corns the 15th of March. Sugar Corns not until the first week in April. 1 lb. of corn will plant about 200 hills; 12 to 14 lbs. of seed will plant an acre. Make hills 3 feet each way, leaving two stalks to the hill. Make successive plantings every three weeks to have roasting ears all through the summer. Plant only in rich or well fertilized soil.

All prices on Garden Corns are postpaid. For quantity prices, refer to our Green Ink List.

## Garden Corn

**EXTRA EARLY ADAMS.** 54 days to table condition. Ears 5 inches long, grains white and tender, 12 to 14 rows. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.25. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c; 10 lbs., \$1.00.

**EARLY LARGE ADAMS.** Ready for roasting ears in 60 days, kernels white, fairly sweet and tender. Stalks 6 to 7 feet tall, ears 7 to 8 inches long, 12- to 14-rowed. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.25. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c; 10 lbs., \$1.00.

**IMPROVED ADAMS.** Ready for market in 64 days. Ears 8 to 9 inches long, 14 rows, grains pure white, sweet and tender. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.25. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c; 10 lbs., \$1.00.

**R. H. Co.'s EARLY SURPRISE.** 68 days to market stage, stalks 7 feet tall, ears 9 to 10

inches long, producing generally two good ears to a stalk. Grains white and stay tender longer than the average varieties of garden Corns, therefore, making R. H. Co.'s Early Surprise the very best large-eared variety for market use. Make plantings every two weeks and this variety will show you a good profit. Our stock is the original Genuine Early Surprise. You can depend on getting it right from us. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c; 10 lbs., \$1.05. Not prepaid, ½ lb., 10c; 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 80c.

**TRUCKER'S FAVORITE.** Makes roasting ears in 70 days from planting. Ears 8 inches long, even rowed, tender and of fine quality, usually produces two good ears to each stalk. An excellent variety for field culture or for late planting to use as a garden crop. Postpaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 65c; 10 lbs., \$1.00. Not prepaid, ½ lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 50c; 10 lbs., 80c.

## Sugar Corn

Plant these when the ground is warm, not too soon, otherwise the seed will rot. For real quality, you should plant any of the following varieties of Sugar Corns.

**GOLDEN BANTAM.** 70 days. The most popular and best known of all the yellow Sugar Corns and has made a reputation for its earliness and delicious quality. It is used extensively for home gardeners, truckers and canners. Stalks dwarf, 4½ to 5 feet. Ears 6 to 7 inches long, uniformly 8-rowed. Kernels broad, tender, sweet and fine flavor. Many varieties of yellow Corn have been bred since the introduction of Golden Bantam, but many customers still believe that this variety surpasses all in sweetness and distinct buttery flavor. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 90c; 10 lbs., \$1.45. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.20.

**TOP CROSS GOLDEN BANTAM.** 75 days. A cross between two inbred Bantams developed jointly by the U. S. Department of Agriculture and Purdue Experiment Station. It grows 6 to 7 feet high, sturdy and straight, producing two ears to the stalk. Ears very uniform, 8 inches long and have 10 to 14 rows of light yellow kernels with delicious sweet pulp. About 6 days later than Golden Bantam and highly resistant to Stewart's disease. Postpaid, ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40; 10 lbs., \$2.50. Not prepaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**GOLDEN COLONEL.** Refer to page 1 for description. Postpaid, ½ lb., 15c; 1 lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50. Not prepaid, ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

**LONG ISLAND BEAUTY.** A great big-eared, 16-rowed Sugar Corn of finest quality; grain white, sweet, juicy and tender and of the best flavor. Produces two ears, 9 to 10 inches long to a stalk. Makes roasting ears in about 78 days. Postpaid, ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.50. Not prepaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 85c; 10 lbs., \$1.25.

**COUNTRY GENTLEMAN.** 84 days. Kernels set irregular on a small cob. The Shoe Peg grains are white, very sweet, tender and juicy. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 90c; 10 lbs., \$1.45. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.20.

**STOWELL'S EVERGREEN.** Ready for market in 82 days, stalk produces two good ears which are 9 to 10 inches long, grains long in shape, white, tender and delicious. This is a good standard variety that will always please. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.45. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c; 10 lbs., \$1.20.

**BORDEN'S WONDER BANTAM.** 72 days. Nearly as early as Golden Bantam but the ears are longer and heavier, sweet and of fine quality. Postpaid, ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.65. Not prepaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 85c; 10 lbs., \$1.40.

**HOWLING MOB.** 84 days. A fine second early variety, kernels white and plump, ears large, 12- to 14-rowed. Stalks 7 to 8 feet tall and produce two good ears of splendid quality. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 80c; 10 lbs., \$1.35.

**WHIPPLE'S EARLY YELLOW.** 82 days. One of the best large-eared, second-early varieties. Stalks 7 feet; ears 8 inches, set with 12 to 14 rows of golden yellow, fairly deep, sweet grains. Postpaid, ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.50. Not prepaid, ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c; 10 lbs., \$1.25.

### R. H. Co.'s Four Leaders

Special Offer covers the season with these Sugar Corns.

½ lb. Borden's Wonder Bantam  
½ lb. Howling Mob  
½ lb. Whipple's Early Yellow  
½ lb. Long Island Beauty

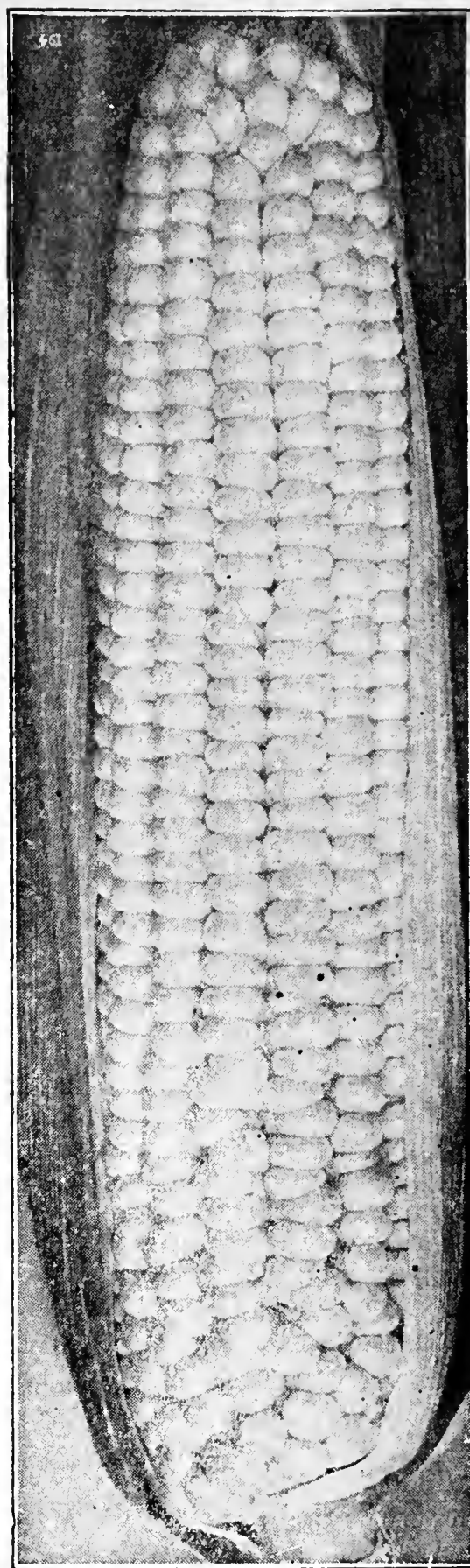
The above 4 varieties—**60¢**  
postpaid for only .....

## POP CORN

Five to seven pounds will plant an acre when drilled. Make rows about 3½ feet apart. Plant in May so the crop will mature about September 15th, the weather at that time gets a little cooler and the grain weevil will not become bothersome. Pop Corn requires good soil and about the same treatment and methods of cultivation as Field Corn.

**SOUTH AMERICAN DYNAMITE.** Vigorous, tall growing, produces 2 to 3 ears to a stalk 6 to 7 inches long with rich creamy yellow grains that will pop very large, crisp and tender. Ready in 90 days. Postpaid, ½ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 5 lbs., 65c; 10 lbs., \$1.05. Not prepaid, 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 80c.

**JAPANESE HULLESS.** Also called Jap White Rice. Dwarf growing, heavy yielder, ears small, full and plump, grains long, slim, white, and pops clean and large. Ready in 95 days. Postpaid, ½ lb., 20c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.25. Not prepaid, 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c; 10 lbs., \$1.00.



R. H. Co.'s Early Surprise

## New Improved Semesan Jr.

Will prevent smut and root-rot on both garden and sweet corns. Its use will permit early planting, as it prevents seed from rotting in the soil. Don't fail to try it this spring. Semesan Jr. is really a boon to the planter—its use insures a crop. Two ounces treats one bushel of seed corn. Postpaid, ¼ lb., 45c; 1 lb., \$1.10. Not prepaid, ¼ lb., 35c; 1 lb., \$1.00.



## Garden Gardex Tools

	Each
1004 Pull Hoe, 4½-ft. handle	\$0.60
1005 Pull Hoe, 5-ft. handle..	.75
1503 Cultivator, 4½-ft. handle .....	.60
No. 400 Turf Edger, 4½-ft. handle .....	.75
No. 2006 Hand Plow, 5-ft. handle .....	1.00
No. 4006 Row Marker, 5-ft. handle .....	.75
No. 700 Hand Weeder, 7-in. handle .....	.20



# CUCUMBERS

**Culture**—One ounce to 50 hills; 2 to 3 pounds per acre. After danger of frost is past plant in hills 3 by 6 feet apart and thin to 3 plants to a hill. Seed can be planted in boxes or paper pots in a hotbed, but Cucumbers do not transplant readily unless a mass of soil adheres to the roots. Pick fruit as soon as large enough to use, do not allow any Cucumbers to ripen on the vines.

The following prices are postpaid:  
Select any 3—5-cent pkts. for 10c  
Select any 7—5-cent pkts. for 25c

**A. & C. CUCUMBER.** Refer to page 1 for description. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

**DAVIS PERFECT.** 65 days. An outstanding and dependable variety of the white spine type for the home, market gardener and shipper. The vines are healthy and vigorous, bearing smooth, glossy dark green fruits 9 to 10 inches long, 2½ inches thick and tapered at both ends. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**EARLY FORTUNE.** 64 days. This is a splendid white spine variety for general use and shipping. Fruits a rich green, color holds for many days after picking. 8 inches long, 2½ inches thick, slightly tapered and uniform in shape. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

## Standard Cucumbers

**BOSTON PICKLE.** 60 days. Black-spined, thick and regular in shape.

**CLARK'S SPECIAL.** 64 days. Very dark green fruits, 7 to 9 inches in length.

**EARLY GREEN CLUSTER.** 56 days. Very prolific, setting its fruits in clusters.

**EVERBEARING.** 70 days. Kept picked will bear throughout the season; good pickle.

**JAPANESE CLIMBING.** 60 days. Distinct type, used for covering fences. Fruit 9 inches long.

**LONGFELLOW.** 70 days. Length 12 inches; slender, dark green.

**STAY GREEN.** 52 days. Average 7 inches; fruits very deep green with white spines.

Price, any of the above 7 Standard Cucumbers:  
Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**GHERKIN.** 60 days. Small size for pickling only. Pkt., 10c.

## Eggplant

**Culture**—Sow in hotbed in February or March. When 4 inches high, transplant in April to 3-foot rows in deep, rich loam. One ounce of seed will produce 1000 plants.

**BLACK BEAUTY.** 81 days. Plants low and bushy, spineless with 4 to 5 fruits which are broad, smooth, attractive, purplish black. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25, postpaid.

**NEW YORK PURPLE.** 83 days. Oval in shape; fruits black-purple and glossy, slightly larger than Black Beauty. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., 90c; ½ lb., \$1.60; 1 lb., \$3.00, postpaid.

**FLORIDA HIGH BUSH.** 85 days. Fruits elongated, cylindrical, purple; plants upright and branching. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., 90c; ½ lb., \$1.60; 1 lb., \$3.00, postpaid.

Eggplant plants priced on page 23.

## Gourds

Plant in April or May, 6 to 8 feet apart.

**DIPPER.**

**DISH RAG.**

**NEST EGG.**

**MIXED ORNAMENTAL.**

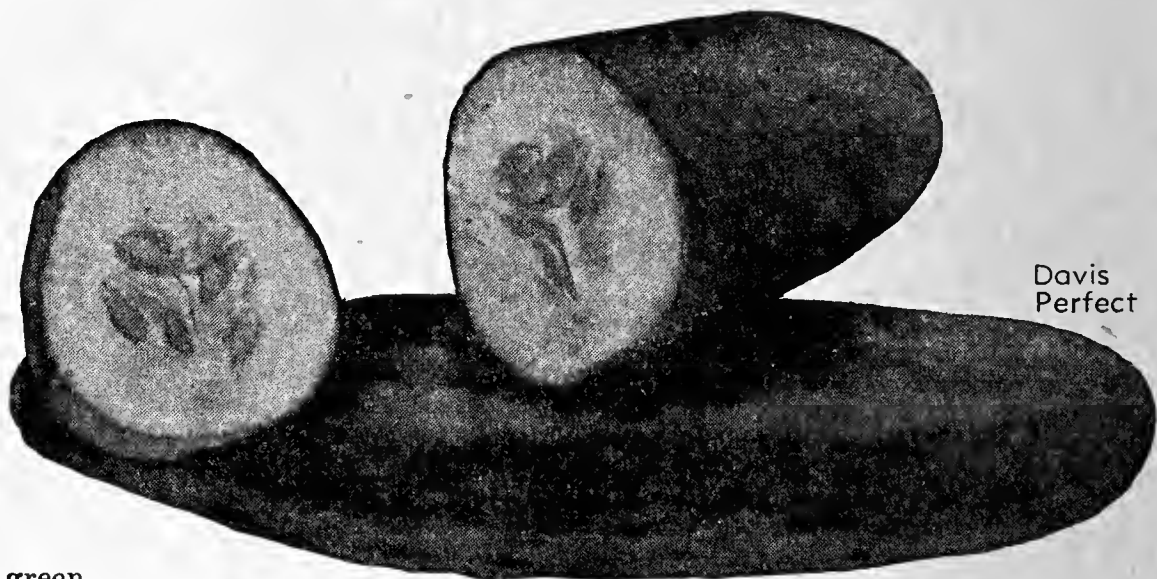
Price, any of above four varieties: Pkt., 5c; ½ oz., 15c; oz., 25c, postpaid.

**STRAIGHT - 8.** 62 days. A new variety having the characteristics that make it an ideal shipping variety. Also equally desirable for the home or local market gardener. The vines produce a heavy crop of uniform fruit deep green in color, 8 inches long, 2 inches thick, which thickness is equal throughout. Very straight. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c.

**CHICAGO PICKLE.** 59 days. A productive type for early uniform pickles, valuable for slicing and pickling. Fruit medium green, black spined, 6½ inches long, 2½ inches thick, square ended. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**EARLY WHITE SPINE.** 60 days. Fruit medium green, smooth, fine for market. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**IMPROVED LONG GREEN.** 66 days. Excellent for market or home gardens. Fruits 10 to 12 inches long, medium dark green, black spined, very desirable for slicing. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.



Davis Perfect

## Dandelion

**Culture**—1 ounce will sow 100 feet of row. Sow in spring in drills 18 inches apart. Thin to 8 inches in the row and cultivate well.

**IMPROVED THICK LEAF.** 60 days. Dark green leaves which are 20 inches across; blanches easily. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

## Dill

**MAMMOTH.** Used for seasoning. Sow in March, thin plants to 12 inches. Excellent for making dill pickles. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c, postpaid.

## Endive

**Culture.** One ounce will sow 200 feet of drill, thin to 18 inches. Sow about the middle of April, and for succession in June and July. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

**GREEN CURLED.** 90 days. Rich green curled leaves. Plants 16 inches in diameter. Blanching easily. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.20, postpaid.

**BROAD-LEAVED BATAVIAN** (Escarolle). 90 days. Large, broad leaves, full, compact heads. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 70c; 1 lb., \$1.15, postpaid.

## Garlic

Plant in early spring or fall, six inches apart in rows wide enough to work. Postpaid, ½ lb., 25c; 1 lb., 35c. Not prepaid, ½ lb., 15c; 1 lb., 25c.

## Herbs

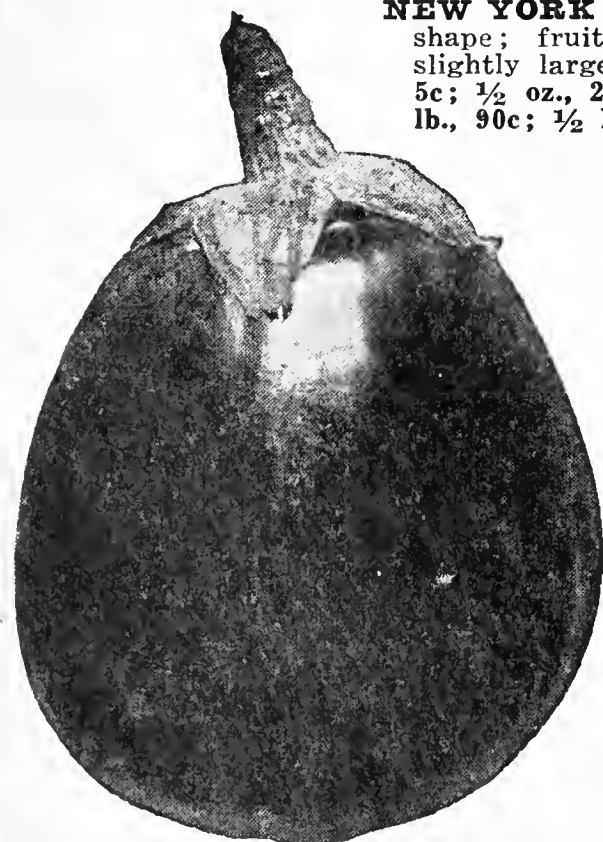
	Postpaid Prices	Pkt.	Oz.
<b>SWEET BASIL.</b> For flavoring soups	.....	\$0.10	\$0.50
<b>FINOCCHIO, Italian Fennel.</b> Easily grown	.....	.10	.15
<b>LAVENDER.</b> Used for its odor	.....	.10	.60
<b>SWEET MARJORAM.</b> Used for seasoning	.....	.10	.50
<b>ROSEMARY.</b> For seasoning meats and soups	.....	.10	.75
<b>SUMMER SAVORY.</b> Used as a culinary herb	.....	.10	.35
<b>SAGE, Broad-Leaf.</b> A popular plant	.....	.10	.35
<b>THYME, English.</b> Much used for seasoning	.....	.10	.60

## Horseradish Roots

Large, strong cuttings. Postpaid, doz., 40c; 50 for \$1.40; 100 for \$2.50. Not prepaid, doz., 35c; 50 for \$1.25; 100 for \$2.25.



Improved Long Green





# KALE

This vegetable produces excellent "greens" for spring and winter. The leaves are boiled the same as spinach. It is the hardiest of all winter greens, frost improving the quality rather than injuring it.

**Culture**—Sow from 2 to 3 pounds broadcast to the acre, 1 ounce to 200 feet of drill. Sow in March or September in drills or broadcast. The following prices are postpaid. Quantity prices are given on our Green Ink List.

**DWARF GREEN CURLED.** 65 days. A hardy, vigorous, spreading variety of dwarf habit, 12 to 16 inches tall. Leaves large and heavy in texture, plain at center with edges curled. Color deep bluish green. Postpaid, pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c.

**DWARF GREEN CURLED SCOTCH.** 65 days. The plant reaches a height of 15 inches with a 30-inch spread. Compact leaves, deep yellowish green, large and finely curled, plume-like. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 50c.

**TALL GREEN CURLED SCOTCH.** 60 days. A strain 3 feet tall and producing an abundance of light green, densely curled leaves. Very hardy and tender after exposure to frost. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 50c.

**SPRING or SMOOTH.** 30 days. A hardy, quick-growing variety with smooth, dark green leaves, 8 inches high. Tender and sweet when young. Pkt., 3c; oz., 5c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c.

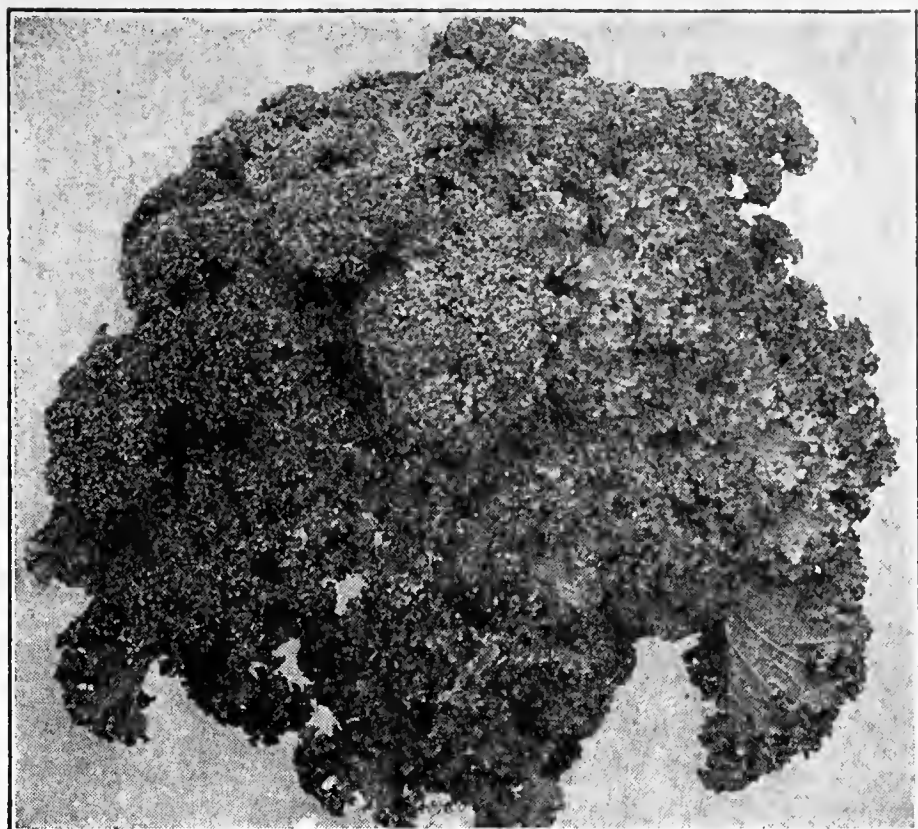
## Kohlrabi

**Culture**—Plant in 18- to 24-inch rows as early as the ground can be worked in the spring, thinning out to stand 4 inches apart in the row. Bulbs should be used when they are 2 to 2½ inches in diameter and cooked same as turnips. Sometimes planted in hotbeds and transplanted for very early maturing Kohlrabi. One ounce plants 300 feet; 4 pounds an acre.

**WHITE VIENNA.** An extra early variety making bulbs 2 to 2½ inches in 55 to 60 days after seed is sown outdoors. Has very few short leaves. Bulbs are sweet and tender. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.50.



White Vienna



Dwarf Green Curled Kale

## Leek

**Culture**—Use rich soil and sow early in the spring one-half inch deep in rows 18 inches apart and thin to 2 to 3 inches in the row. Cultivate and draw the earth to them as they grow.

**LONDON FLAG.** 85 days. A well known variety of quick, strong growth. Stems 10 inches long, 1½ inches thick; leaves large, broad and dark green. Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.50.

**QUANTITY PRICES FOR MARKET GARDENERS ARE GIVEN ON OUR GREEN INK LIST**

# LETTUCE

**Culture**—One ounce will sow 200 feet of drill; 4 to 5 pounds to sow one acre in drills. Lettuce belongs in every garden, whether large or small. It is easy to grow, and grows to perfection in a rich, moist, cool soil. Sow the seed in hotbeds in February or March, transplant into a sheltering border with a southern exposure. For successive crops, sowings may be made in the open ground as early as the spring opens and continuing until July. From 60 to 80 days are required to bring the crop to maturity. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow seed thickly in rows or broadcast.

The following prices are postpaid:

Select any 3—5-cent packets of Lettuce for 10c  
Select any 7—5-cent packets of Lettuce for 25c

**NEW YORK WONDERFUL.** 80 days. Also known as Los Angeles. This is the crisp heading variety grown in immense quantities on the Pacific Coast and shipped to eastern markets as Iceberg. The plants are large, 12 to 15 inches across with dark green leaves only slightly curled on the edges. Heads are solid, well blanched, sweet and tender. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c.

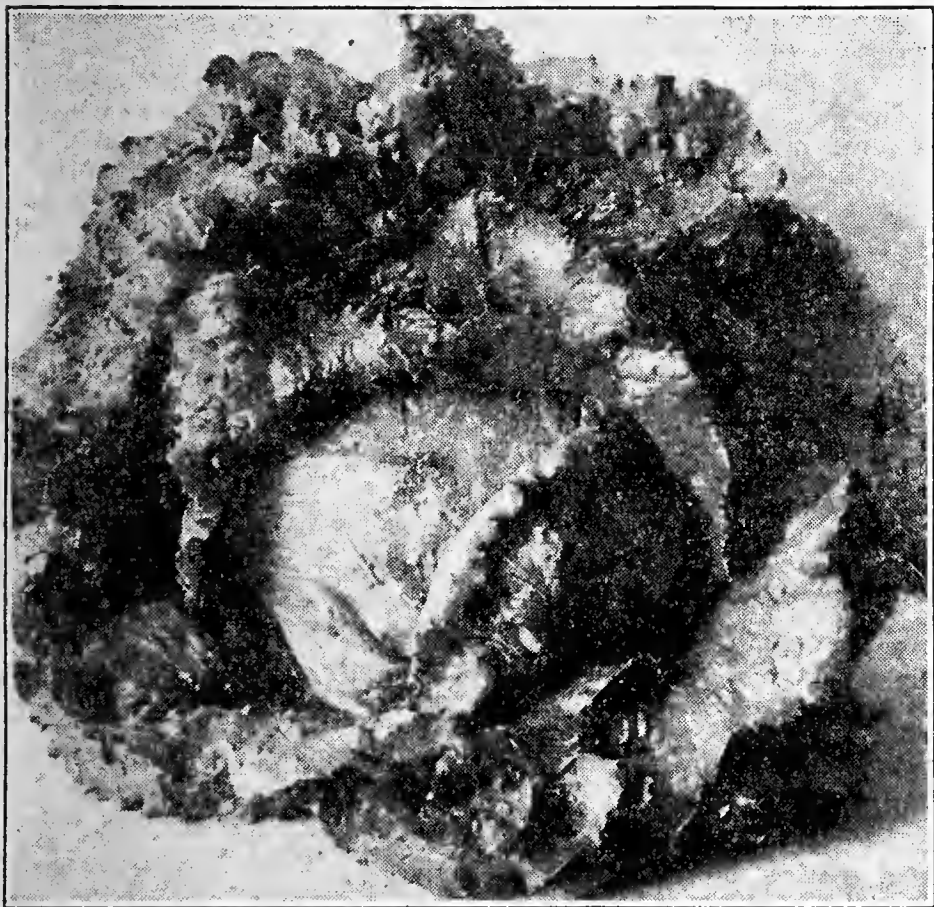
**BIG BOSTON.** 75 days. Early and hardy. Big Boston grows to an enormous size, well grown heads measuring from 10 to 12 inches across. Grows well during hot weather, but during the cool weather it heads particularly well, forming a tightly folded heart which consists of beautifully blanched, tender, and juicy leaves. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**ICEBERG.** 87 days. A crisp heading, late variety for home garden or market gardeners serving local markets. True Iceberg is large with wavy, fringed, light green leaves tinged with brown at the edges. Heads compact, crumpled, white inside, crisp and sweet. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c.

**ALL HEART.** 72 days. A variety that will head during hot weather. A butter Lettuce similar in shape and habit to the Salamander. Seed black. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 45c; ½ lb., 60c; 1 lb., \$1.00.

**BLACK-SEEDS SIMPSON.** 65 days. Very tender and of excellent flavor. Forms a large, loose head of broad, crumpled, light green leaves. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 45c; 1 lb., 85c.

**CHICKEN LETTUCE.** 72 days. Your poultry needs "green" food and this variety of Lettuce is just the thing you want to grow for this purpose. It is a genuine Lettuce which will yield as much or more chicken or rabbit feed than any plant you may have used for "greens." When once cut it starts to grow again and makes a successive crop. Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c.



New York Wonderful Lettuce

**COS or ROMAINE.** 77 days. Loaf-shaped, upright green leaves; excellent, crisp and tender. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**CALIFORNIA CREAM BUTTER.** 75 days. Heads large, globular and solid with yellow interior; leaves dark green spotted brown. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**IMPROVED HANSON.** 80 days. Hardy and sure heading, compact and tender, leaves broad, curly with fringed edges. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**MIGNONETTE.** 67 days. Very early, small, compact solid heads with well blanched, white heart, good quality. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 65c; 1 lb., 90c.

**EARLY CURLED SIMPSON.** 65 days. Early, hardy and dependable. This is one of the best of the loose-leaf sorts. Crisp, tender, of excellent quality. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

Lettuce plants priced on page 23.



# R.-H. Co.'s Watermelons

**Culture**—Prepare hills 8 or 10 feet apart each way by working in thoroughly rotted manure or poultry droppings—rich ground gives the plants a good start before insects attack them. When the ground is warm plant 6 or 8 seeds to the hills, covering an inch deep and, when well up, thin out, leaving three strong plants to each hill. Do not grow near pumpkins and gourds. They are often planted between the rows in a cornfield. In growing they require plenty of water. Avoid lifting the vines and use only hand tools in cultivating. One ounce will plant 30 hills; 3 lbs. will plant an acre. Spray young plants with Pyrox for insects and diseases. For early plantings use Hotkaps. This method means two weeks ahead on the market.

All prices on Watermelon seeds are postpaid.

For 10c select any 3—5-cent packets

For 25c select any 7—5-cent packets

For 25c select any 3—10-cent packets

For 50c select any 7—10-cent packets

**R.-H. CO.'S WINONA.** 90 days. This celebrated southern grown Watermelon is in a class by itself. The fruits are very long with dark green rind, flesh crimson-red, crisp and sweet. The average weight of Winona Melon is about thirty-five pounds; our seed is genuine, raised for us in Mississippi and saved from uniform specimens. Seed shiny black, a very distinct and splendid variety either for home or market use. Vine vigorous and healthy. Winona is especially adapted to our climate and soil. We strongly recommend it to our customers. Pkt., 5c; oz., 15c; 2 ozs., 25c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c.

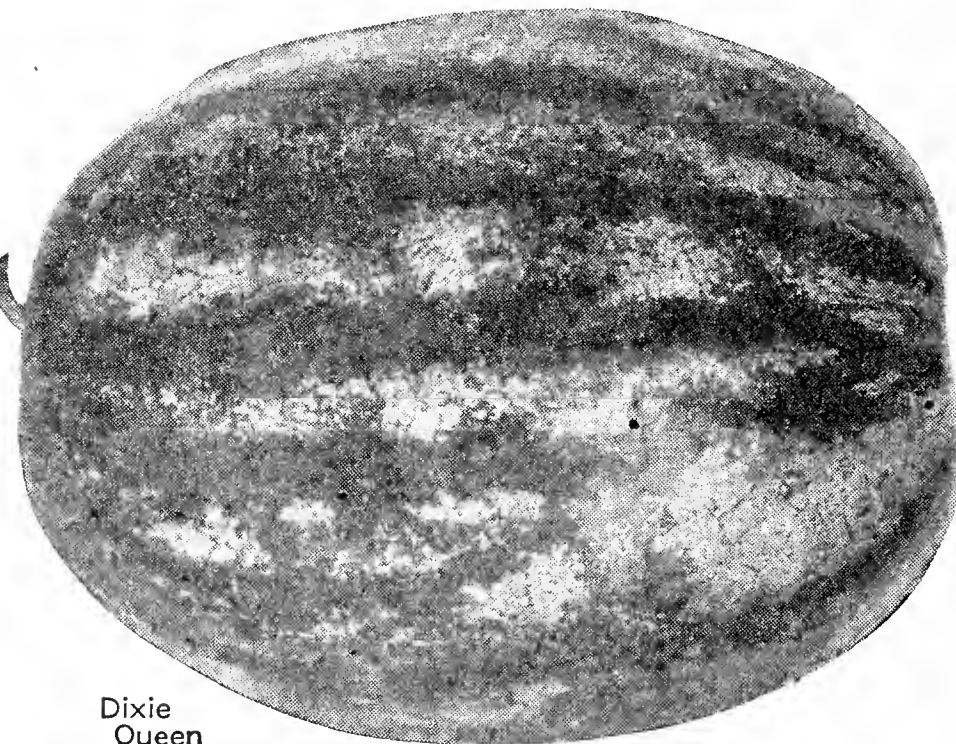
**KLECKLEY'S SWEETS.** 85 days. This improved strain of Kleckley's Sweets produces uniformly large, dark green melons of the finest quality and of handsome appearance. It is a splendid table Melon with a heavy, tough rind which makes it a good shipper to distant markets. The seeds are all creamy white. The flesh is bright scarlet, very firm, and of superb flavor. The outside skin is of a rich dark green color, shaded with faint stripes of a lighter shade. The sweetest and juiciest of all the Melons, and so solid that a hollow or pithy center is seldom found. Altogether, it is a Melon without an equal. About 20 inches long. Pkt., 5c; oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 35c; 1 lb., 55c.

**IRISH GRAY.** 90 days. One of the finest Melons to grow anywhere. It is quite productive, very sweet and tender, a trifle earlier than Tom Watson and compares equally with that variety in shipping quality. Fruits large, 25 to 30 lbs., oblong, smooth, a distinct mottled greenish gray; rind tough and hard. Flesh bright red, firm and sweet. Seeds white. Pkt., 5c; oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 35c; 1 lb., 55c.

**STONE MOUNTAIN.** Ripens in 85 to 90 days. The fruit is almost round or square-shaped with rich, dark green, medium thick rind, and dazzling scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart, and truly an unsurpassed table delicacy. The rind is sufficiently

**DIXIE QUEEN.** 90 days. Fruits oblong or nearly round, fair size, averaging 25 lbs. or more, light green, striped and blotched with dark green; rind thin but tough. Flesh rich scarlet, crisp and extremely sweet with very few seeds. Seeds white and small. Dixie Queen has now become one of the most popular and desirable varieties either for home use, market or trucking. It stands the drought better than most other sorts. In normal season grows large enough, a nice average size that the trade wants. Dixie Queen Melon is sometimes called the white-seeded Cuban Queen. Do not confuse it with old black-seeded Cuban Queen, which is an entirely different Melon. Our stock of Dixie Queen is genuine and from the very best growers. Pkt., 5c; oz., 10c; 2 ozs., 20c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., 85c.

**GEORGIA RATTLESNAKE.** 90 days. An excellent shipping Melon popular in the South for its size, productiveness and eating qualities. Fruits very long, fairly large, 25 to 30 lbs., light green, irregularly mottled with dark green stripes. Its striking appearance has helped its popularity. A ready seller, for, once seen, it is always remembered. Rind very tough. Flesh bright scarlet, crisp and sweet. Seeds dull white with black tips. Pkt., 5c; oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 35c; 1 lb., 50c.



Dixie Queen

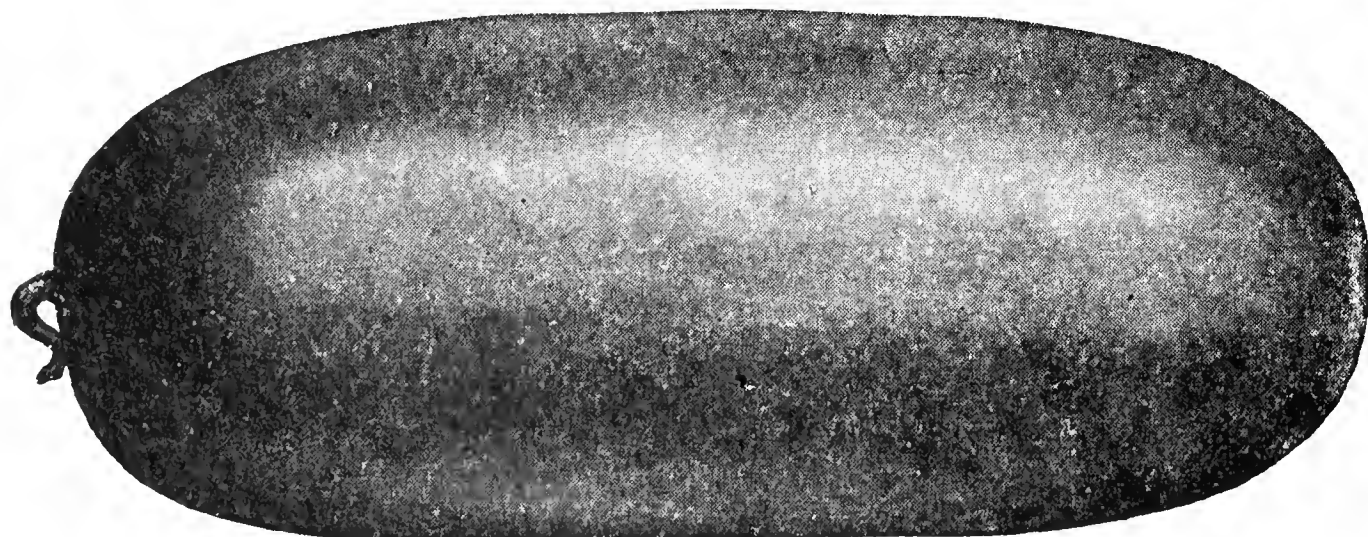
## One Pound Watermelon Collection

$\frac{1}{4}$  lb. Dixie Queen  $\frac{1}{4}$  lb. Stone Mountain  
 $\frac{1}{4}$  lb. Winona  $\frac{1}{4}$  lb. Kleckley's Sweets  
 Just order the Pound Watermelon Collection when you write.

Specially priced—**80¢**  
 Postpaid for only



Stone Mountain



R. H. Co.'s Winona

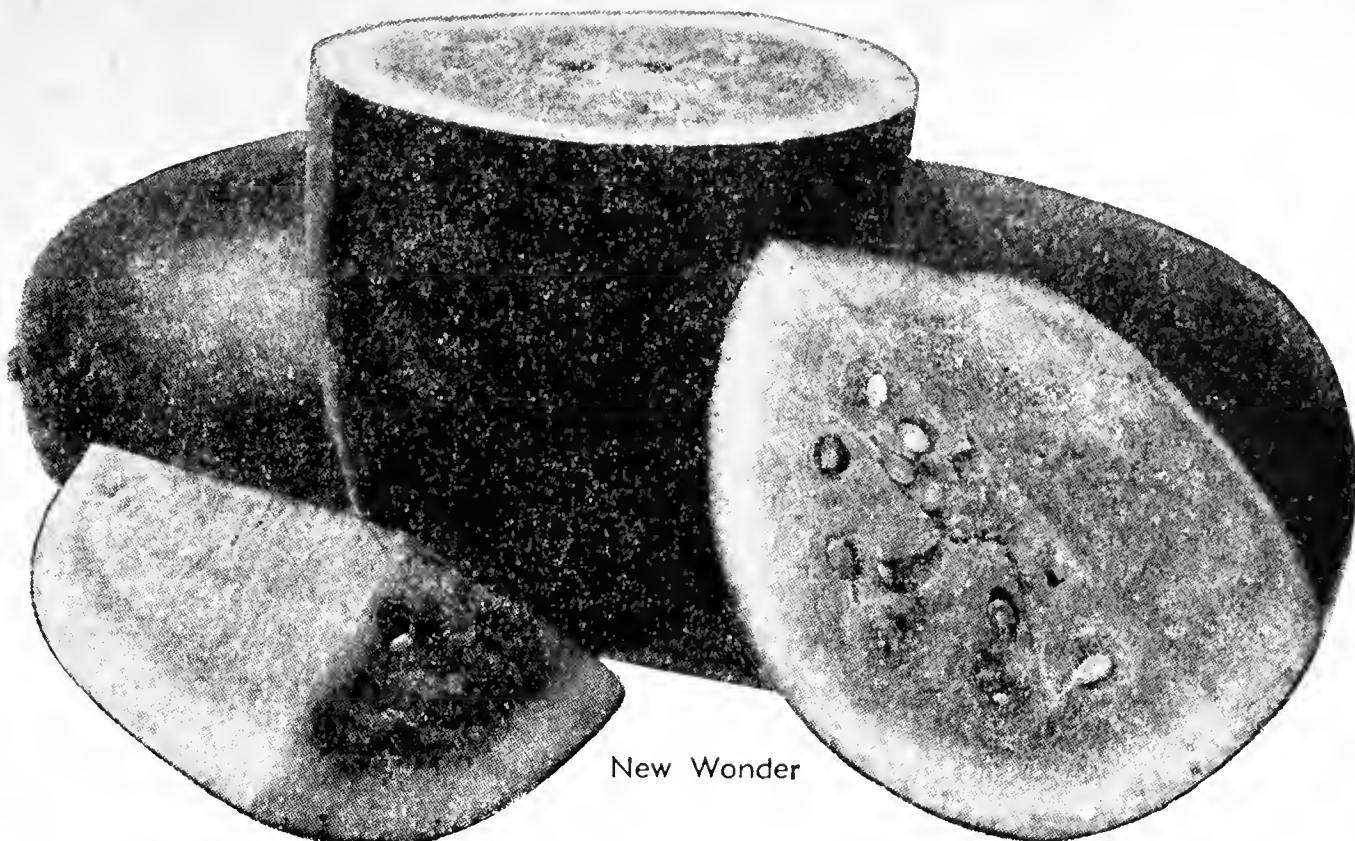
tough to stand considerable handling, making it an excellent shipper. It is very prolific, withstands drought, and will produce a fine crop of good Melons when other varieties fail. It is the best round type Watermelon for home garden or market. Pkt., 5c; oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 60c.



**SCHLOCHLER.** 90 days. One of the biggest Melons. They will average 40 lbs. each. The fruit is very dark green with an indistinct stripe, flesh bright red, sweet and crisp. Shape long and uniformly thick and very attractive. Vine vigorous and exceedingly prolific. Schlochler is a good shipper, grows extra large and the quality is fine. Commercial growers will find it a very profitable and desirable Melon. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c.

**NEW WONDER.** It possesses a flavor that is not approached by any other variety. Its rind is thin, but tough, and it will stand safe shipment for reasonable distances. Its flesh is a rich red and full of flavor right up to the rind, without any hollow. The seeds are large and white and relatively few to the Melon. It is large and long. The color is dark solid green, most attractive. Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.

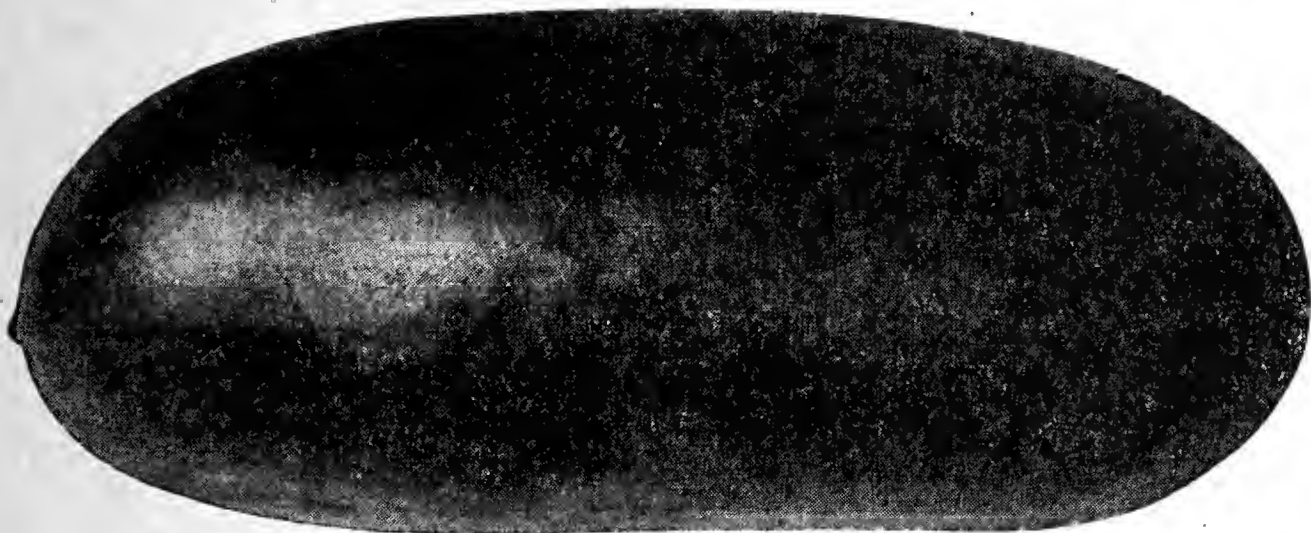
**HALBERT HONEY.** 82 days. The Melons average 18 to 20 in ches in length, 6 to 8 inches in diameter. Color of rind a clear glossy deep green. The flesh is a beautiful crimson, extending to within less than half an inch of the rind, which, like the flesh, is so tender it will not stand shipping any distance. Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.



New Wonder

**SPECIAL STONE MOUNTAIN.** 90 days. Extra select stock, the seed being saved from the most perfect Melons. All hand cut and special care is given to all details in making it superior. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 95c.

**SPECIAL KLECKLEY'S SWEETS.** 85 days. Improved and selected stock. The seed being saved from the best in the field. Our grower has given this seed extra care. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 95c.



Schlochler

**EXCEL.** 80 days. The Excel is a large, long green Melon, often weighing 50 to 60 lbs.; a fine shipping variety. Flesh deep red and ripens well out to the rind. Color of rind deep green and occasionally deep green stripes. Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.

**BLACK DIAMOND.** 85 days. Very large, round in shape, deep red meat with black seeds. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c, postpaid.

**GOLDEN HONEY.** 90 days. Oblong in shape; weight about 20 pounds. Rind is dark green with darker green stripes. Flesh is bright golden color and of excellent flavor. Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c.

**TOM WATSON.** 90 days. One of the most popular shipping Melons grown. The Melons are large, long and dark green. The flesh is rich, red, solid, and luscious and ripens close up to the rind. When grown under proper conditions, Tom Watson is good for all purposes. Our stock is the genuine cut-red Watson. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.

**RED-SEEDED CITRON.** 95 days. Used only for preserving. Fruits round with alternate dark and light green striping. Seeds red. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 85c.

**R. H. CO.'s GIANT TOM WATSON.** 92 days. This is a special stock of cut-red Watson from Hope, Arkansas, the home of good Melons. Fruit about 30 inches long and will average 40 to 50 lbs. in weight; flesh blood-red all the way through without any white or hard core. Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.35, postpaid.



Germaco  
**Hotkaps**  
New Method of  
Plant Protection

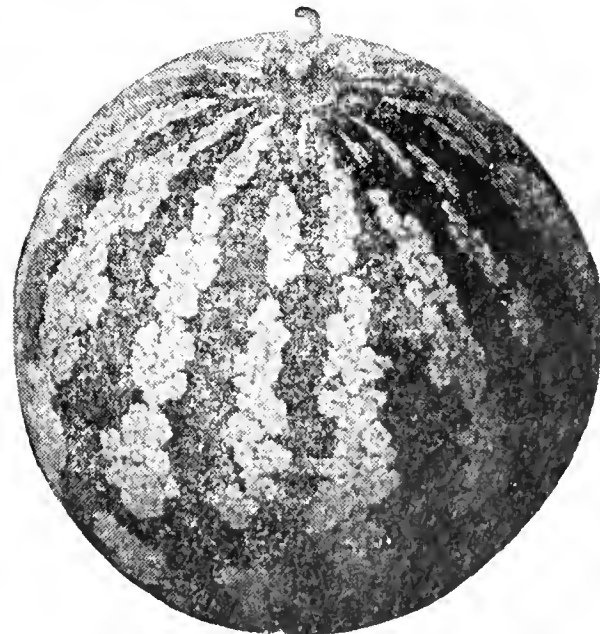
Hotkaps are "individual hothouses" for every plant—protecting them against frost, rain, wind, insects, and crusting. They "force" plant growth, making healthier, hardier plants and producing bigger crops from two to three weeks earlier—in time for the early market prices. They may be used with practically any crop that needs protection, but are especially suited for use with vine crops such as Cucumbers, Cantaloupes, Watermelons, Squash, Pumpkins, etc.

Home garden package, 25 Hotkaps and cardboard setter, 50c; by mail, 60c.

Special 100 Hotkaps with garden setter and tamper, \$2.65; by mail, \$2.85.



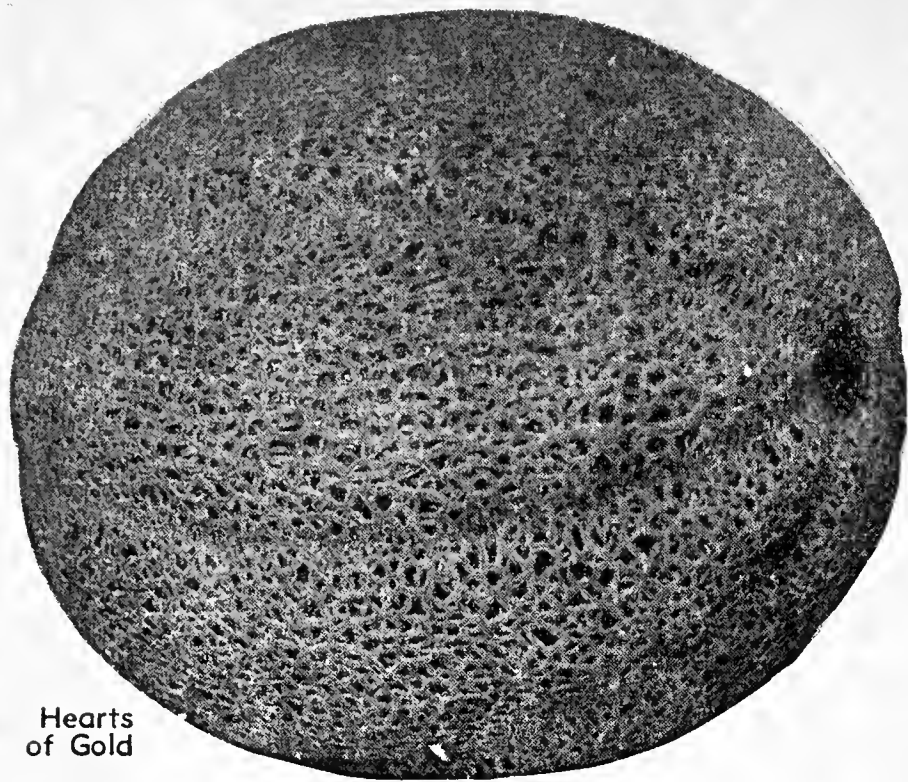
Halbert Honey



Red-Seeded Citron



# Muskmelon or Cantaloupe



Hearts  
of Gold

**Culture**—One ounce will plant 50 hills; 2 or 3 pounds in hills per acre. Melons thrive best in a rich, light soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for Muskmelons, eight feet for Watermelons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant in each 12 to 15 seeds; after all danger of the bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch as it strengthens the growth of the vines and makes the fruit mature earlier. Give plenty of water and feed liquid manure occasionally. Early plantings can be made with the use of Hotkaps. See page 23 for prices and information about Hotkaps.

The following prices are postpaid.  
Select any 3—5-cent packets for 10c  
Select any 7—5-cent packets for 25c  
Quantity prices are given on our Green Ink List.

**SUGAR or HONEY ROCK.** 100 days. Absolutely distinct and very superior Melon, the result of years of most careful and painstaking selection and breeding. Of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**SUPERFECTO.** 85 days. Very fine for market. Bears and ripens its fruit more evenly and over a longer period than others. Netting fairly coarse and heavy; seed cavity very small. The fine grained flesh is a rich colored, solid salmon-pink, of excellent flavor, clear to the rind. In size runs to the jumbo flat pack. Vines vigorous and resist disease to a marked degree. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c, postpaid.

**PINK MEAT ROCKY FORD.** 93 days. An excellent shipping variety of Rocky Ford strain. Fruits nearly round, weigh 2½ pounds; show no ribbing, and densely covered with heavy grey netting. Flesh thick, deep salmon at center with green tone near the rind; sweet and spicy. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**BANANA.** 94 days. A novel variety having both the shape and fragrance of the banana with really delicious eating qualities. Fruits long, tapering, 14 inches long, 4 inches in diameter with smooth lemon colored skin and salmon flesh. Very vigorous and hardy. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

**MAMMOTH ROCKY FORD.** 90 days. The Melons are larger in size than the regular Rocky Ford, flesh green, thick, sweet and of high flavor. Melons are 5 to 6 inches in diameter, uniform in size and covered with heavy netting. Splendid for market or home gardens. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c.

## TREAT CANTALOUPE SEED WITH SEMESAN

You will get better germination and healthier plants. It's simple, effective and economical. 2-oz. can, 35c; (treats 30 lbs. of seed). By mail, 40c.



Southern Giant Curled

## MUSTARD

**Culture**—The leaves are used as a salad or may be boiled like spinach. Sow seed in any good garden soil early in the spring, in rows 1½ to 2 feet apart and when well up thin out the plants so as to stand 8 to 10 inches apart. By making several sowings a week or so apart, the fresh tender leaves may be had throughout the season. Sow also in August and September for fall crops, two to three pounds will plant an acre.

The following prices are postpaid. Large quantities quoted on our Green Ink List.  
**SOUTHERN GIANT CURLLED.** 30 days. A curly-leaf variety; produces large leaves; makes very fine greens; flavor is all that can be desired. Sow in February for early spring use. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**SOUTHERN GIANT CURLLED LONG STANDING.** 30 days. 1933 All-America selection. A fine strain, stands a long time before bolting to seed. Leaves beautifully curled, frilled and crumpled, large, light green. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

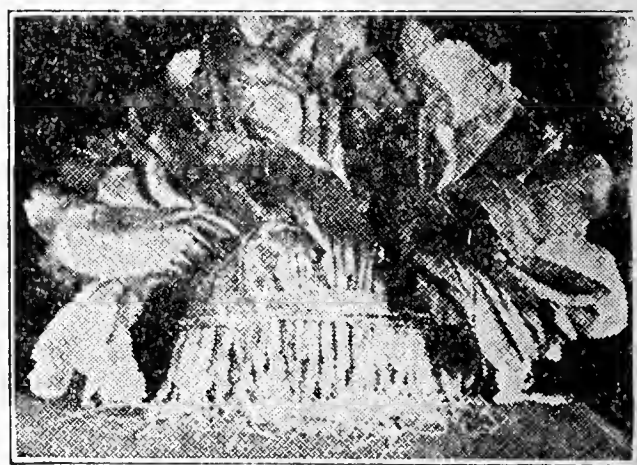
**ELEPHANT EAR.** 40 days. Smooth, very large, upright plant, tender and succulent. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**FLORIDA BROAD LEAF.** 40 days. Light green, smooth, thick leaves; long standing. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**CHINESE MAMMOTH.** Ready for use in 40 days. Leaves plain, smooth and unfripped, dark green in color. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**OSTRICH PLUME.** 40 days. Handsome, large, upright plants. Leaves crumpled and beautifully curled, plume-like in appearance. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**HEARTS OF GOLD.** 95 days. A new orange-fleshed variety. Fruit of medium and very uniform size. Netting exceptionally fine and dense, extending practically over the entire surface. Flesh thick, firm, highly colored, of fine texture and delicious flavor. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 45c; 1 lb., 75c.



## MUSTARD SPINACH or Tendergreen

A new vegetable combining the delicious flavors and healthful qualities of spinach, mustard and turnip greens. It contains an abundance of protein, mineral matter, lime, and iron. The tap-root is small and not edible. The succulent leaves are large and oblong-shaped, a rather dark green color with a small center rib, and are prepared for table like other greens. Flourishes in hot weather and is resistant to drought and extreme cold. Plant any time during the year. Ready for table in 25 days. Postpaid, pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.40.



# ONION SEED

**Culture**—Onions require a fertile soil, well pulverized and drained. Sow in March and April in rows 12 to 15 inches apart, covering the seed one-fourth inch deep. When the plants are 3 or 4 inches high, thin them out where too thick in the row. Cultivate thoroughly. 1 ounce will sow 200 feet of row; 4 to 5 pounds per acre. Onions mature when grown from seed in 120 to 130 days.

All the following prices are postpaid.

**CRYSTAL WHITE WAX.** Clear white, bulb flat, of mild and delicate flavor. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., 90c; 1 lb., \$1.50.

**YELLOW BERMUDA.** An early flat Onion, light straw colored; flesh mild and sweet. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., 85c; 1 lb., \$1.35.

**RED ITALIAN.** Nearly globe-shaped, bright red skin; flesh mild and sweet. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.00.

**WHITE ITALIAN.** Beautiful snow-white, globe-shaped. Fine for early market; very mild flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 85c; ½ lb., \$1.25; 1 lb., \$2.25.

**AUSTRALIAN BROWN.** Skin thick, chestnut-brown, nearly globe-shaped; good keeper. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50.

**PRIZETAKER.** Bulbs large, globular, skin thin, glossy yellow, crisp and sweet. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.40.

**RED WETHERSFIELD.** Bulbs flat and deep, skin purplish red; popular. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.40.

**LARGE RED GLOBE.** Globe-shaped; skin deep red; flesh white. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50.

**LARGE WHITE GLOBE.** Skin and flesh clear, bright white; fairly mild flesh. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.90.

**SWEET SPANISH RIVERSIDE.** Very mild in flavor; deep amber-yellow skin; globe-shaped. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80.

**WHITE SWEET SPANISH.** Globe-shaped; flesh pure white and of mild flavor. Pkt., 5c; oz., 25c; 2 ozs., 40c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.00.

**WHITE SILVERSKIN.** The standard white variety; medium size, firm and hard; a good keeper. Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 90c; 1 lb., \$1.60.

**YELLOW GLOBE DANVERS.** Large, globe-shaped, pure yellow, solid and firm. A good keeper. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 85c; 1 lb., \$1.50.

**WHITE BUNCHING.** Grown exclusively for bunching, very mild, crisp and tender flesh. Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50.

## Onion Sets

**Culture**—Set 6 inches apart, in March and April. Have rows 24 to 36 inches apart. Give them clean cultivation and plenty of fertilizer. Our sets are quality stock.

	Postpaid		Not Prepaid	
	Qt.	Gal.	Qt.	Gal.
RED WETHERSFIELD	\$0.15	\$0.50	\$0.10	\$0.35
YELLOW DANVERS	.15	.50	.10	.35
WHITE SILVERSKIN	.20	.55	.15	.40
WHITE MULTIPLIERS	.20	.65	.15	.50

For prices by the peck and bushel, see Green Ink List.

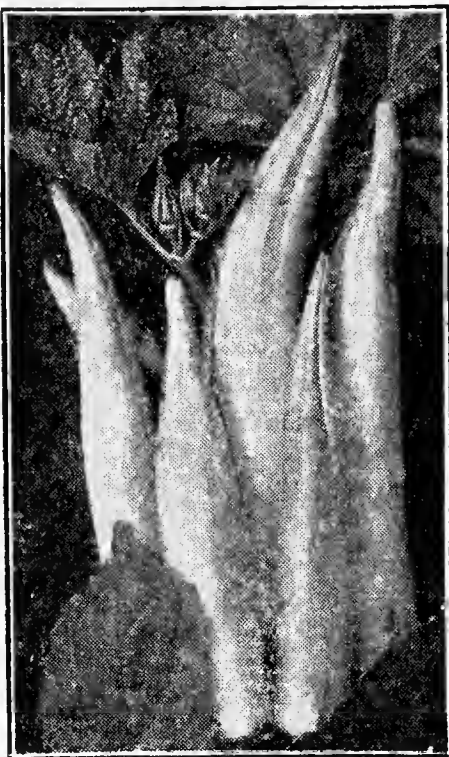
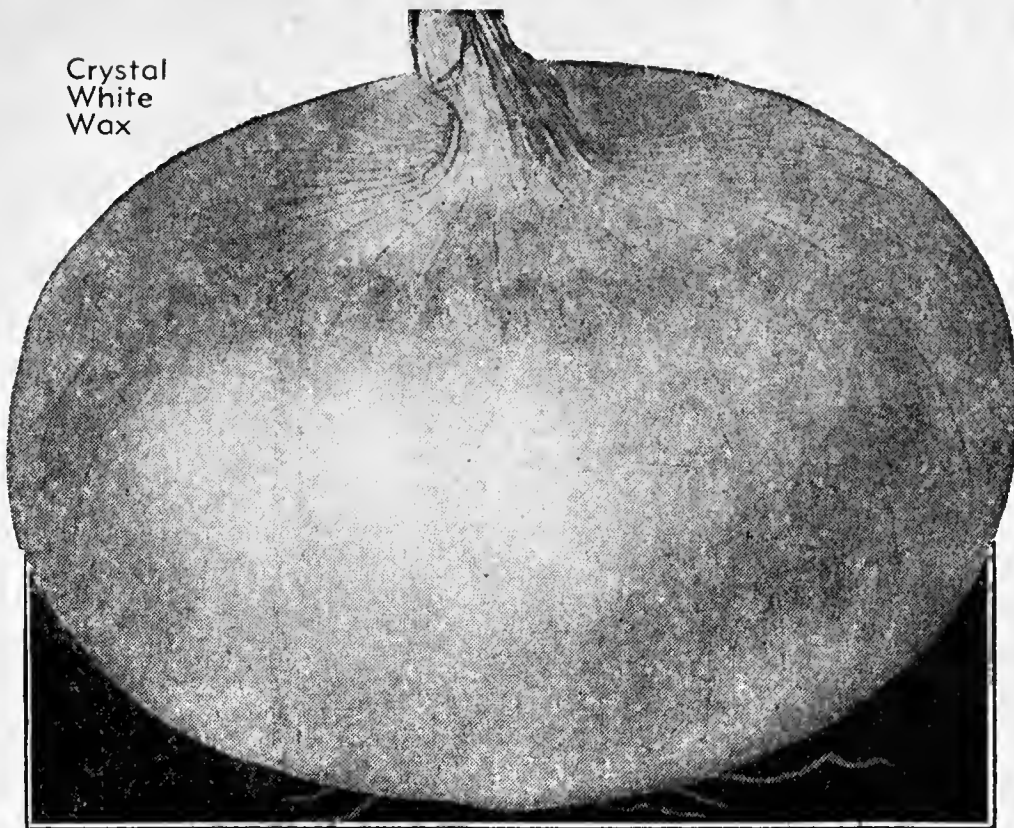
## Bermuda Onion Plants

**Culture**—Set in 24-inch rows, 4 to 6 inches apart, in February and March. We will send you fresh clean plants.

	Postpaid			Not Prepaid		
	200	500	1000	200	500	1000
CRYSTAL WHITE WAX	\$0.30	\$0.60	\$1.00	\$0.20	\$0.40	\$0.75
YELLOW STRAW COLORED	.30	.60	1.00	.20	.40	.75

Prices on larger quantities quoted on our Green Ink List.

Crystal White Wax



White Velvet Okra

## Okra

**Culture**—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

The pods should be picked daily to prolong the bearing season. Okra can be picked in about 105 days after planting.

Prices, all varieties of Okra, postpaid:  
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.50.

**WHITE VELVET.** Grows 3½ feet tall; very productive of round, smooth, white pods of fine quality.

**DWARF GREEN PROLIFIC.** A dwarf, compact plant. Pods short, deep green, slightly corrugated; fine quality. Very early and productive.

**MAMMOTH LONG GREEN.** Plants grow 3 feet tall; pods deep green, very long, slender and slightly corrugated. A desirable variety, being very early and productive.

## Parsley

**Culture**—Soak seed in water for a few hours and sow in rich soil early in spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 to 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September. It is ready to cut in 90 days.

**DOUBLE CURLED.** Compact, dark green, curled leaves.

**CHAMPION MOSS CURLED.** Triple curled, very dense; dark green.

**PLAIN OR SINGLE.** Highly aromatic, deep green.

Price, any of above varieties, postpaid:

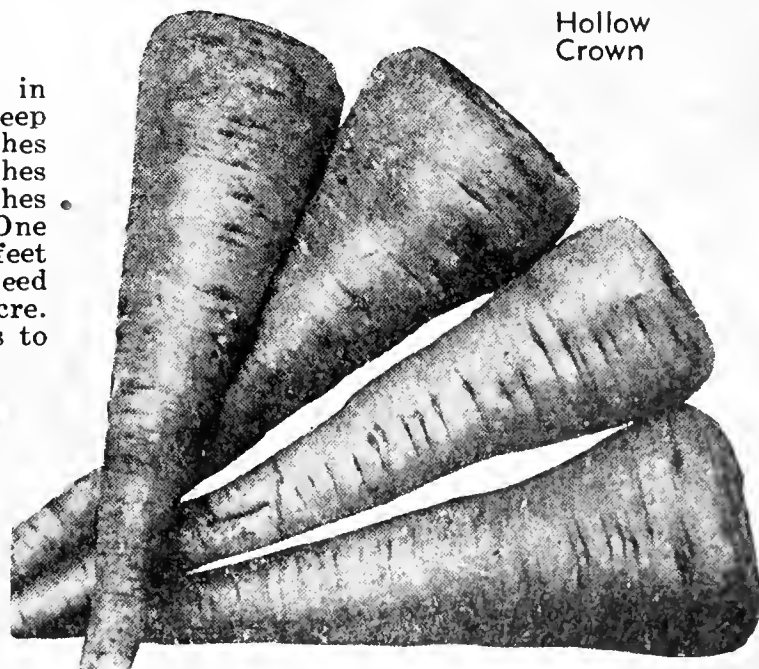
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c.

## Parsnip

**Culture**—Sow seed in early spring, ¾ inch deep in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre. Parsnips take 110 days to be ready for market.

**SUGAR or HOLLOW CROWN.** Smooth roots, 12 inches long, 3 inches thick at shouldered, tapered. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 55c.

Hollow Crown







Early Alaska

## Wrinkled Varieties

Sow in March and April.

**AMERICAN WONDER.** Dwarf variety. Vines 12 to 14 inches high. Matures in 58 days. Pods 3 inches long, medium green seeds, wrinkled, sweet and tender. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 80c.

**BLISS EVERBEARING.** Ready for picking in 72 days. Vines 30 inches tall. Peas plump, 3 inches long, wrinkled, of fine flavor. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**CHAMPION OF ENGLAND.** Excellent for home gardens. Ready for picking in 78 days. Vines  $4\frac{1}{2}$  to 5 feet high; pods 3 inches long,  $\frac{5}{8}$  inch wide, straight and blunt. Peas wrinkled, green, and of fine quality. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

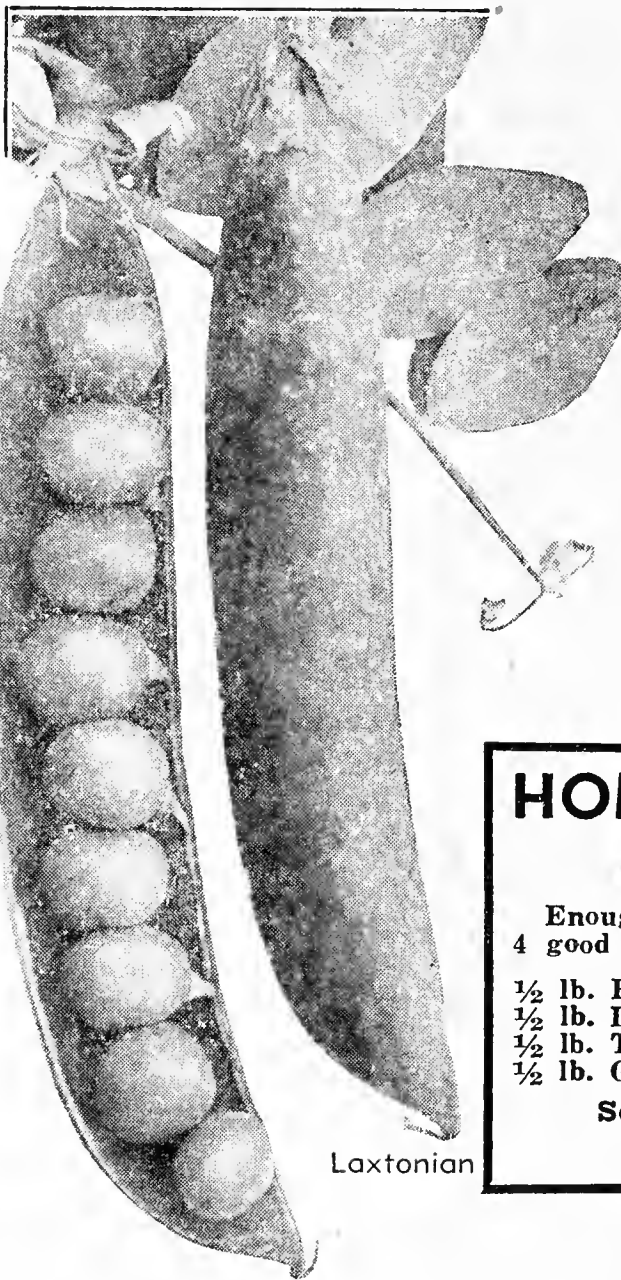
**DWARF TELEPHONE.** Can be picked in 70 days after planting. Vines 24 inches tall, stocky and thrifty; pods  $4\frac{1}{4}$  inches long and  $\frac{3}{4}$  inch wide, tapering at end. Seeds large, green, wrinkled. Plant thick and vines need no support. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 80c.

**GRADUS or PROSPERITY.** Ripens in 58 days. Early, large podded, fine for home use or market. Vines 3 to  $3\frac{1}{2}$  feet tall; pods borne singly, are 4 inches long and  $\frac{7}{8}$  inch wide. Seeds large, cream and green, wrinkled. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 80c.

**LAXTONIAN.** 62 days. Prolific, large podded, dwarf variety; easy to grow. Vines 22 inches high, dark green; peas 4 inches long,  $\frac{3}{4}$  inch wide, plump, tapered at tip. Peas tender, sweet, wrinkled, cream colored. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**LAXTON'S PROGRESS.** 60 days. Vines dwarf, 18 inches high, dark green, very prolific; pods very deep green, 5 inches long and  $\frac{3}{4}$  inch wide, filled with light greenish cream, tender peas. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**LITTLE MARVEL.** One of the sweetest and most delicious dwarf Peas on our list. Vines 18 inches tall. Ripens its crop in 62 to 64 days. Needs no support. Pods dark green, 3 inches long, plump and straight, blunt-ended, filled with medium size wrinkled, green peas as sweet as you ever tasted. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 85c.



Laxtonian

### WRINKLED VARIETIES—Continued

**MCLEAN'S LITTLE GEM.** Vines 18 inches tall. Ready to pick in 62 days. Pods medium green,  $2\frac{3}{4}$  inches long and  $\frac{1}{2}$  inch in width. Seeds wrinkled, medium size, rich green, very sweet. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 80c.

**NOTT'S EXCELSIOR.** 59 days. Dwarf in growth. Vines 18 inches tall, dark green and need no support. Pods 3 inches long and  $\frac{1}{2}$  inch wide. Peas medium size, wrinkled, rich green in color. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 95c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 80c.

**TALL TELEPHONE.** A favorite market variety. Vines 4 to  $4\frac{1}{2}$  feet tall. Ready to pick in 72 days. Pods borne singly,  $4\frac{1}{2}$  inches long and  $\frac{3}{4}$  inch wide, plump, straight, tapering at end. Seeds large, wrinkled, green in color, of fine table quality. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**THOMAS LAXTON.** Unsurpassed as a quality Pea, whether for home use, market or shipping. Ready to pick in 57 days, after they are up. Vines 3 to  $3\frac{1}{2}$  feet tall, dark green; pods are also deep green,  $3\frac{1}{2}$  inches in length and  $\frac{5}{8}$  inch wide; plump, blunt, peas wrinkled, cream-green, very sweet, tender and delicious. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.



Tall Telephone

# Russell-Heckle's GARDEN PEAS



**Culture**—One pound will plant 100 feet of single row; 60 to 75 pounds for an acre. A light soil is best for the early varieties, a heavier soil that will retain moisture for the main crop. Well-rotted manure may be used to enrich the soil. Peas are a cool weather crop. Plant the early smooth varieties, Alaska and Extra Earlys as soon as the ground can be worked in February. The wrinkled varieties should be planted in March. Make main crop plantings 3 to 4 inches deep. Peas are usually planted in double rows, 12 inches between rows and 2 to 3 inches between seeds. Plantings should be made every week until hot weather.

Prices for market gardeners are given on our Green Ink List.

**EARLY ALASKA.** 54 days. Vine 30 inches, pods light green,  $2\frac{1}{2}$  inches long and  $\frac{3}{4}$  inch wide. Very plump, full pods, seeds bluish green and smooth. Postpaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid,  $\frac{1}{2}$  lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**ALASKA WILT-RESISTANT.** Seeds smooth, bluish green. Desirable for planting in wilt-infested areas; otherwise they are the same as Alaska. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**AMEER.** Ready to pick in 60 days. Peas smooth, green, larger than Alaska. Called in some sections the Big Pod Alaska. Height of vine 36 inches. Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c. Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 75c.

**FIRST AND BEST EXTRA EARLY.** 54 days. Height 24 inches. Seeds smooth, yellowish green; pods  $2\frac{1}{2}$  inches. Very prolific and early. Postpaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid,  $\frac{1}{2}$  lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

**LARGE WHITE MARROWFAT.** 82 days. Vines 5 feet tall. Peas light green, 3 to  $3\frac{1}{2}$  inches long, seeds round, creamy buff in color; very productive. Postpaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c. Not prepaid,  $\frac{1}{2}$  lb., 10c; 1 lb., 20c; 2 lbs., 30c; 5 lbs., 60c.

## HOME Collection of English Peas

Enough to sow 200 feet of drill.  
4 good varieties ripening in rotation.

$\frac{1}{2}$  lb. Early Alaska  
 $\frac{1}{2}$  lb. Dwarf Telephone  
 $\frac{1}{2}$  lb. Thomas Laxton  
 $\frac{1}{2}$  lb. Gradus or Prosperity

Sent Postpaid **50¢**  
For Only



# PEPPERS

**Culture**—Peppers should be started in a hotbed or cold frame and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about 20 inches between them in the rows. In warmer sections they can also be sown in open ground in a prepared seedbed when all danger from frost has passed. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer stirred into the soil when the plants are about 6 inches high, will be found very beneficial to the crop.

All the following prices are postpaid.  
Select any 3—5-cent packets of Peppers for 10c  
Select any 3—10-cent packets of Peppers for 25c

Quantity prices on Peppers are given on our Green Ink List enclosed.

**BELL or BULL NOSE.** 60 days from plants. An early, prolific, standard variety with blunt fruits  $2\frac{3}{4}$  by 3 inches; deep green changing to scarlet; flesh thick and mild in flavor. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 40c;  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.10; 1 lb., \$2.00.

**CALIFORNIA WONDER.** 75 days from plants. A popular Pepper throughout the United States possessing qualities that make it ideal for stuffing or salads. The thickness of flesh, often measuring  $\frac{3}{8}$  of an inch, unknown in any other variety of Pepper, is one of the points of excellence. In addition, it is firm, crisp, juicy, sweet and mild without a trace of pungency. Plants upright and prolific. Fruits 4-lobed, 4 by  $4\frac{1}{2}$  inches, very attractive, smooth, uniform, very heavy and deep green changing to bright crimson at maturity. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 2 ozs., 60c;  $\frac{1}{4}$  lb., \$1.00;  $\frac{1}{2}$  lb., \$1.75; 1 lb., \$3.25.

**CHINESE GIANT.** 80 days from plants. This is the largest mild Pepper ever developed, measuring 4 to 5 inches in diameter and of equal length. It is deliciously sweet and an ideal home garden variety. Plants dwarf, stocky and thickly set with enormous, unusually shaped, but attractive fruits that are chunky, twisted, slightly crumpled and square-ended. Color rich, bright green changing to a scarlet-red when ripe. Flesh thick and tender. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 2 ozs., 65c;  $\frac{1}{4}$  lb., \$1.10;  $\frac{1}{2}$  lb., \$1.85; 1 lb., \$3.50.

**HARRIS' EARLY GIANT.** 63 days from plants. The earliest of all large Peppers and a very valuable variety for market gardeners in the South. Plant dwarf, erect and a heavy yielder. Fruits block-shaped,  $3\frac{1}{2}$  by 4 inches, slightly tapered, 3-lobed, dark green changing to red when ripe. Flesh sweet and mild. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 45c;  $\frac{1}{4}$  lb., 80c;  $\frac{1}{2}$  lb., \$1.40; 1 lb., \$2.70.

**HUNGARIAN WAX.** 72 days. A hot Pepper that has become very popular in some localities. The fruits grow to be 4 to 5 inches long and 2 inches thick. It is first green, then creamy white and then red. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c; 2 ozs., 70c;  $\frac{1}{4}$  lb., \$1.25;  $\frac{1}{2}$  lb., \$2.00; 1 lb., \$3.75.

**LONG RED CAYENNE.** 70 days from plants. The most popular hot variety used for canning, pickles and drying. Plants large with fruits borne in great abundance,  $\frac{1}{2}$  to 4 inches, tapering to a point, twisted and deep green changing to red. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 45c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.25; 1 lb., \$2.20.

**PIMIENTO.** 73 days from plants. The sweetest variety. Used extensively by canners; it is also desirable for home use in salads and for stuffed Peppers. Plants tall and productive. Fruits heart-shaped,  $2\frac{1}{2}$  by  $3\frac{1}{2}$  inches, very smooth, tapering to a single point, dark green turning to crimson. Flesh very thick and mild. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 40c;  $\frac{1}{4}$  lb., 70c;  $\frac{1}{2}$  lb., \$1.20; 1 lb., \$2.10.

**RUBY KING.** 70 days from plants. A reliable standard variety for home, market and shipping. Plants erect, vigorous and very productive. Fruits 3 by 5 inches, tapering, dark green turning to red. Flesh crisp, tender, and very mild and pleasant to the taste. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 40c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.10; 1 lb., \$2.00.

**RUBY GIANT.** 75 days from plants. Plants strong, erect and productive. Fruits large,  $3\frac{1}{2}$  by 5 inches, slightly tapered, 4-lobed, dark green turning to bright red at maturity. Flesh thick, mild and sweet. Splendid for stuffing. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 45c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.20; 1 lb., \$2.25.

**WORLD BEATER.** 75 days from plants. This is a leading favorite with market gardeners and shippers all over, particularly so in the South. It combines the size of the Chinese Giant and the attractive shape and color of the Ruby King. Plants sturdy, erect and very productive. Fruits 4-lobed,  $3\frac{1}{2}$  by 5 inches, glossy and smooth, deep green when young changing to bright scarlet when ripe. Flesh unusually thick, mild and sweet. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 ozs., 45c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.10; 1 lb., \$2.10.

PEPPER PLANTS priced on page 23.



California Wonder

**RED CHILI.** 90 days. Narrow thin red pods; very pungent. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 2 ozs., 60c;  $\frac{1}{4}$  lb., \$1.00.

**TOBASCO.** 95 days. Small yellowish red pods; extremely hot. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c; 2 ozs., 60c;  $\frac{1}{4}$  lb., \$1.00.

## Certified SWEET POTATOES

Plant only disease-free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. Can furnish the following varieties:

**CERTIFIED NANCY HALL.** Skin yellow; meat sweet, of amber-yellow. Prices on request.

**CERTIFIED PORTO RICO YAMS.** Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

## Sweet Potato Slips

Ready April 10th.

**CERTIFIED NANCY HALL.**  
**CERTIFIED PORTO RICO.**

Prices, postpaid, 200 slips, 80c; 500 for \$1.50; 1000 for \$2.25.

Larger quantities quoted on our Green Ink List enclosed.

## Certified IRISH POTATOES

We ship only Certified Seed Potatoes which is the only kind it pays to plant. They come up better and will make a larger yield.

**Culture**—Potatoes can be grown in any soil provided it is fairly rich, but Potatoes usually do best on loose, sandy loam and are of better quality than if planted on heavy clay soil. Cut the Potatoes in 4 or 6 pieces, so there is at least one eye on each piece. About 3 pieces should be planted in each hill, 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches apart in the rows. Potatoes require 90 days to be ready to harvest.

Use 3-8-6 Commercial Fertilizer in drills before planting, cover it with soil and then plant as instructed above. Don't use barnyard manure.

**CERTIFIED RED TRIUMPH.** A popular early variety. Tubers are nearly round, with red, smooth skin, small, shallow eyes, very uniform in size and shape. One of the prettiest Potatoes grown.

**CERTIFIED IRISH COBBLER.** An early variety. The eyes are strong, well developed, and slightly indented. The flesh is creamy white and of fine quality and flavor.

On account of market fluctuations, we are unable to name prices on Irish Potatoes. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments.



Treat  
Seed Potatoes  
Before Planting  
With  
**SEMESAN  
BEL**

It will prevent  
scab and grow pota-  
toes smooth and of  
fine quality.





# PUMPKINS

**Culture**—Three pounds per acre alone, or one pound sown with corn. Plant in good soil when the ground has become warm in hills 6 to 8 feet apart each way. Plant 3 inches deep. Thin to two plants to a hill. Cultivate thoroughly until the vines cover the ground.

All prices on Pumpkin Seed are postpaid. Quantity prices given on Green Ink List.

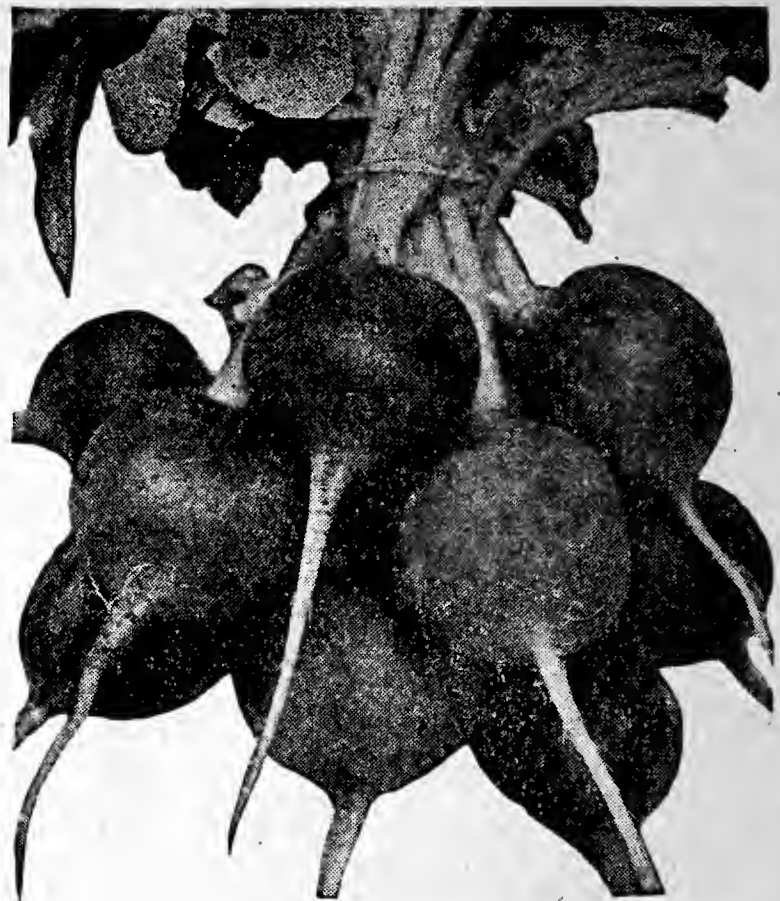
**KENTUCKY YELLOW FIELD.** 98 days. A fine Pumpkin, nearly 2 feet in diameter. Flesh dull orange color, extra thick. Heavy yielder and excellent keeper. Largely used for canning and stock feeding. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.25.

**STRIPED CUSHAW.** 115 days. A crooknecked variety popular in the South. Fruits weigh 10 to 12 lbs., skin creamy white, mottled with irregular green stripes. Flesh light yellow. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.00.

**JAPANESE PIE.** 110 days. Skin dark green with lighter stripes; flesh deep yellow, of good quality. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.00.

**SMALL SUGAR.** 115 days. A small round variety, 6 to 8 pounds. Flesh thick, rich yellow and of high quality. Skin a deep orange. Best variety for cooking and pies. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.00.

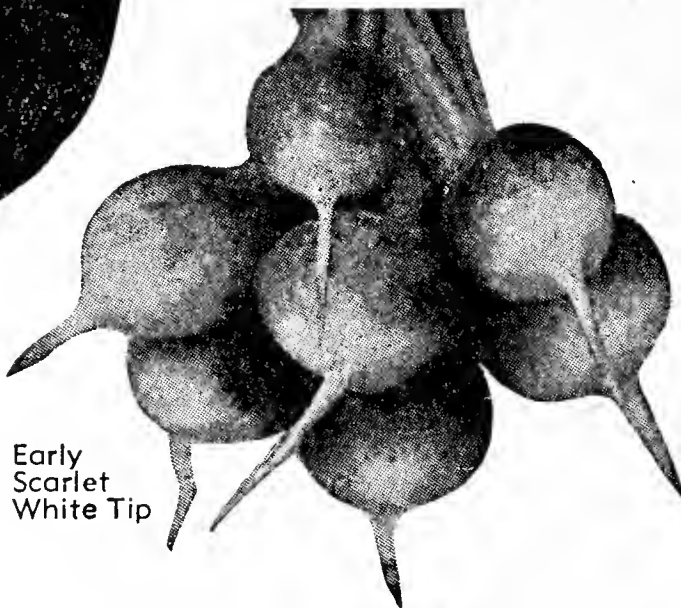
Kentucky  
Yellow  
Field



Early Scarlet Globe

**TENNESSEE SWEET POTATO.** 110 days. Bell-shaped fruits, 12 to 15 lbs. Skin creamy white with light green stripes. Flesh cream, fine grained, thick, sweet and delicious for pies. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.00.

**KING OF THE MAMMOTS.** 115 days. The largest of all Pumpkins. Fruits weigh 40 to 80 lbs. Globular. Skin light yellow, mottled with orange; slightly ribbed; flesh solid, yellow to orange. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 80c; 5 lbs., \$3.25.



Early  
Scarlet  
White Tip

## RADISHES—Continued

**FRENCH BREAKFAST.** 25 days. Olive-shaped. It has a deep rosy scarlet skin with a little white at tip; flesh sweet, crisp and mild. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**MIXED RADISH.** Very popular, gives you a succession of crisp, tender Radishes throughout the season from one sowing. It contains all varieties of Radishes on our list. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 40c; 5 lbs., \$1.50.

## Winter Radish

Prices, all varieties, postpaid:  
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 50c; 5 lbs., \$1.90.

**WHITE CHINESE.** This is the Mammoth and finest of the Chinese varieties; they grow to a very large size, from 12 to 15 inches long and 5 inches in diameter, and mostly above ground; the roots are shaded by its heavy foliage, and are always crisp and mild. 60 days.

**CHINA ROSE.** One of the very best for fall and winter use; bright rose color; flesh white and firm; superior quality. 52 days.

**LONG BLACK SPANISH.** Grayish black in color; pungent, exceedingly crisp. 55 days.

## Rhubarb or Pie Plant

**Culture**—Plant in the early spring or fall in deep-worked soil, 4 feet apart each way. Mulch freely with manure or coarse litter.

**VICTORIA.** Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 35c; ¼ lb., 50c; 1 lb., \$1.75.

**RHUBARB ROOTS.** 1-year, each, 10c; doz., 75c. By mail, each, 15c; doz., \$1.00.

# RADISH

**Culture**—To be tender and crisp, Radishes must be grown quickly and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter, sow in August and September. One ounce sows 50 feet in drills; 10 to 12 lbs. to the acre.

Radishes give interest to the diet and stimulate the duldest appetite. Radishes are healthy, they contain some vitamin B, mineral salts, calcium, sodium, iron and phosphorus. They can be enjoyed from early spring until late fall by sowing succession crops, first the spring varieties, then the summer and winter sorts.

All prices on Radish seed are postpaid.

For 10c select any 3—5-cent packets

For 25c select any 3—10-cent packets

For prices on larger quantities of Radish Seed, see our Green Ink List.

**EARLY SCARLET GLOBE.** 22 days. Recommended for your main sowing. Usable almost as soon as the very earliest Radishes and for a period of a week or 10 days afterwards, or until they are nearly an inch through; and during that time they stay crisp, solid and tender, and mild in flavor. Color pure brilliant scarlet; very uniform in size and in shape, which is a rather long oval. Tops and roots small. Excellent for market. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**EARLY SCARLET TURNIP WHITE TIP.** 21 days. A beautiful scarlet variety of handsome shape, having a white-tipped tail or root, very desirable. Flesh is white and of best quality. One of the most popular and salable varieties. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**COOPER'S SPARKLER WHITE TIP.** 21 days. The most brilliant in appearance of all Radishes. The upper half of the root is a brilliant scarlet, almost the entire lower half a pure white. This strain runs remarkably uniform in color, size and true ball shape. The best selling variety on practically all markets. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$1.75.

**EARLY SCARLET TURNIP.** 21 days. A good variety for outdoor planting. Small, round variety of a deep, rich scarlet color. Crisp, tender flesh. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**WHITE ICICLE.** 27 days. This is the most beautiful of the early long white varieties; of a pearly white color; fine for either forcing or outdoor culture. The roots are of slender form, crisp and tender even when fully developed and of delicate flavor. One of the best varieties for outdoor summer planting for the home garden and market. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**EARLY LONG SCARLET SHORT TOP.** 28 days. A very desirable variety for the garden, being very early, long in shape, of a beautiful bright scarlet color, which is very tender and brittle. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.65.

**R. H. CO.'S PERFECTION.** 20 days. A distinct early globe-shaped Radish. The roots, even when fully developed, are solid, crisp and sweet, remaining fit for use longer than most of the other globe-shaped sorts. The colors are more vivid and attractive. The upper part is a rich carmine-scarlet with a large tip of the purest white, which is quite distinct from any other variety. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$1.75.



White Icicle



# SALSIFY or Vegetable Oyster



Very generally known as the Oyster Plant. The roots are boiled like carrots or parsnips or half boiled and grated fine, made into small flat balls, dipped in a batter and fried like oysters, of which their flavor greatly partakes.

**Culture**—Sow the seed in drills 18 inches apart, 1 inch deep, and when up, thin them out to 4 inches apart in the row. One ounce will drill 50 feet, 6 to 7 lbs. will sow one acre.

**MAMMOTH SANDWICH ISLAND.** 80 days. Roots 7 to 8 inches long, 1 to 1½ inches thick, skin almost white, flesh mild and delicately flavored. Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.40; 5 lbs., \$5.15.

# SPINACH

**Culture**—Requires but little culture, it is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of 2 or 3 weeks, from March to November. One ounce to 100 feet of drill; 10 to 12 pounds to an acre. During hot dry weather Spinach does not grow so well, but in suitable weather with plenty of rain it is ready for use in about five weeks from sowing seed.

Prices for market gardeners and truckers quoted at special prices on Green Ink List enclosed.

The following prices on Spinach Seed are postpaid.

**BLOOMSDALE CURLED SAVOY.** 42 days. A first early, vigorous variety, desirable for local gardens, shipping to distant markets, and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered in appearance, dark glossy green. Pkt., 4c; oz., 6c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.00; 10 lbs., \$1.80, postpaid.

**LONG-STANDING BLOOMSDALE SAVOY.** 42 days. A new variety of merit. It is just as early as the old type Bloomsdale, but stands in marketable condition 10 to 14 days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.15.

**NORFOLK BLIGHT-RESISTANT SAVOY.** 45 days. Type same as Bloomsdale, but darker. Valuable where blight is prevalent. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.15.

**PRESTO SPINACH.** Refer to page 1 for description. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.10.

**LARGE VIROFLAY.** 55 days. Desirable for canning as the leaves grow clean and upright. Green leaves are very large, broad and pointed at end. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.15.

**GIANT NOBEL.** 45 days. This new giant thick-leaved strain is the heaviest producer of all, and is quite slow in running to seed. The giant thick green leaves are huge, rounded, lightly crumpled, very succulent, crisp, tender and of delicious flavor. It grows rapidly into the largest Spinach in cultivation. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.15.

**KING OF DENMARK.** 50 days. The plants are large, vigorous and spreading. Leaves are borne on rather long stems, very thick, arrow-shaped, deep green. It is classed as a smooth variety. However, leaves are slightly curled and blistered; remains a long time in good condition both while growing in the field and after having been cut. A very heavy yielder. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 40c; 5 lbs., \$1.35.

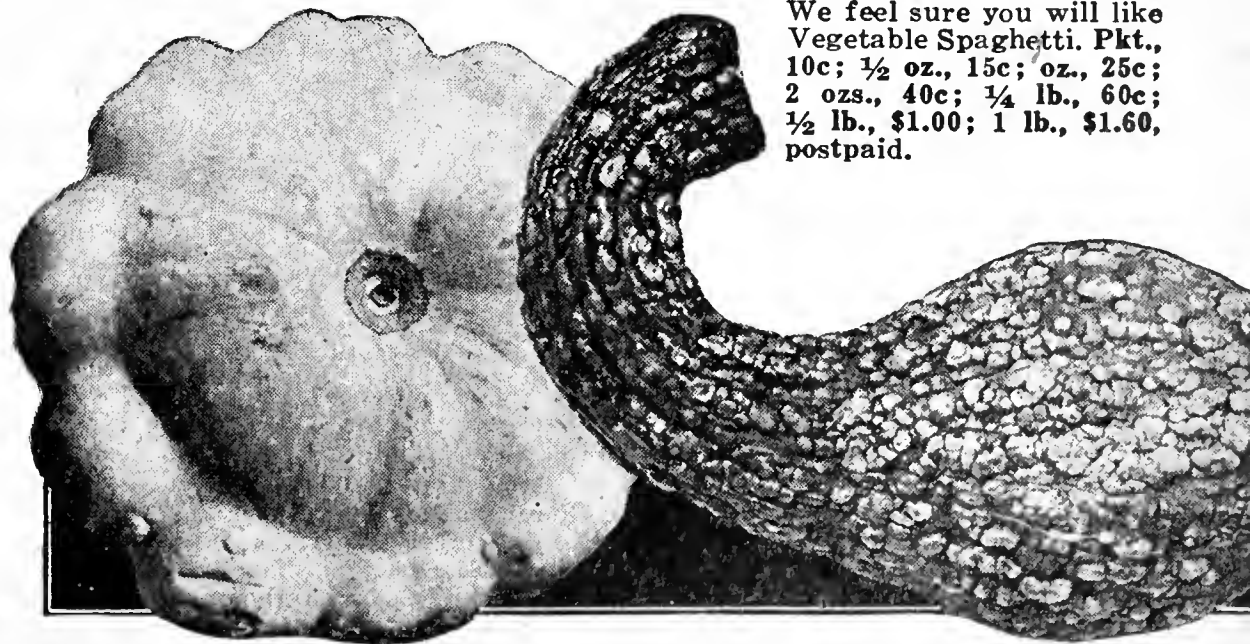
**BROAD-LEAVED FLANDERS.** 43 days. This is a strong growing variety, producing large, broad, thick leaves. Popular with the gardeners. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.05.

**NEW ZEALAND.** The "cut-and-come-again" Spinach, grows luxuriantly during hot weather. Yields continually from spring until late fall. The plant is bushy in form, and produces great quantities of succulent, rich green leaves of delightful flavor. As the tops are cut off, side shoots develop and in a few days another crop may be cut. Plant from March until June in rows 2 feet apart each way. Thin to 12 inches apart. Soak seed in warm water for 24 hours to promote quicker germination. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$1.90.

# Vegetable Spaghetti

Sets fruits freely just like the squash. These are about 8 inches long and about 4 inches in diameter. Skin smooth, creamy white. You pick when well matured, and cook whole without cutting, in boiling water for about 18 minutes. Then cut open and you will find a quantity of stringy spaghetti-like contents, which is quite tasty when seasoned with salt, vinegar, sauce, etc. The fruits keep well and can be stored and used as wanted. Try a packet.

We feel sure you will like Vegetable Spaghetti. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.60, postpaid.



Early White Bush

Giant Yellow Crookneck

# SQUASH

**Culture**—Plant after weather has become fully settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place 7 or 8 seeds in each, finally leaving but three of the strongest plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches. One ounce of seed makes 40 hills; 3 to 4 pounds to an acre.

All prices on Squash are postpaid.

Select any 3—5-cent packets of Squash Seed for 10c

Select any 7—5-cent packets of Squash Seed for 25c

**EARLY WHITE BUSH.** 53 days. Size 3 by 8 inches, 2½ pounds. The well known White Scalloped or Patty Pan Squash. One of the earliest, very productive; skin and flesh a light cream-white. Popular for shipment to northern markets from Florida and a favorite for home gardeners everywhere. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.65.

**MAMMOTH WHITE BUSH.** Early, uniform and prolific. Beautiful clear white skin and flesh. For family gardens and nearby markets. Ready for picking in 53 days. 3½ by 10 inches, nearly double the size of Early White Bush and more regular. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$2.90.

**GOLDEN SUMMER CROOKNECK.** 50 days. Of a dwarf, bushy habit and very productive; bears early and all summer; true Crookneck type; rich golden yellow color; thickly warted. Its cooking qualities are unexcelled. One of the best varieties for the market or table. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 70c; 5 lbs., \$2.90.

**GIANT YELLOW CROOKNECK.** 56 days. Produces fruit nearly double the size of the Yellow Summer Crookneck. The flesh is rich golden yellow and of the finest quality and flavor. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$2.90.

**GIANT YELLOW STRAIGHTNECK.** 55 days. A selection from the Giant Yellow Crookneck, and is the same in all respects except the neck, which is almost straight, and thus more easily packed for shipment. Pkt., 5c; oz., 15c; 2 ozs., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$2.90.

**COCOZELLE.** 65 days. A summer variety of bush habit, producing oblong, smooth dark green fruits, which, as they mature, become marbled with yellow and lighter green in stripes. The fruit is in best condition for table when 6 to 8 inches long. Very popular among the Italians. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; 5 lbs., \$3.40.

**ZUCCHINI.** 60 days. An improved strain of short, thick Italian Marrow and considered more desirable in some localities. The color is a very dark green, almost black, no striping or mottling. Flesh greenish white and of fine flavor. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; 5 lbs., \$3.40.

**HUBBARD.** 78 days. This is an old favorite and one of the best of the Winter Squashes. The vines are vigorous and very productive. The fruits are large, heavy and moderately warted, with a very hard shell. The flesh is light orange-yellow, fine grained, thick, dry and of superior flavor. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; 5 lbs., \$3.40.

Market Gardeners, see our Green Ink List for special prices.

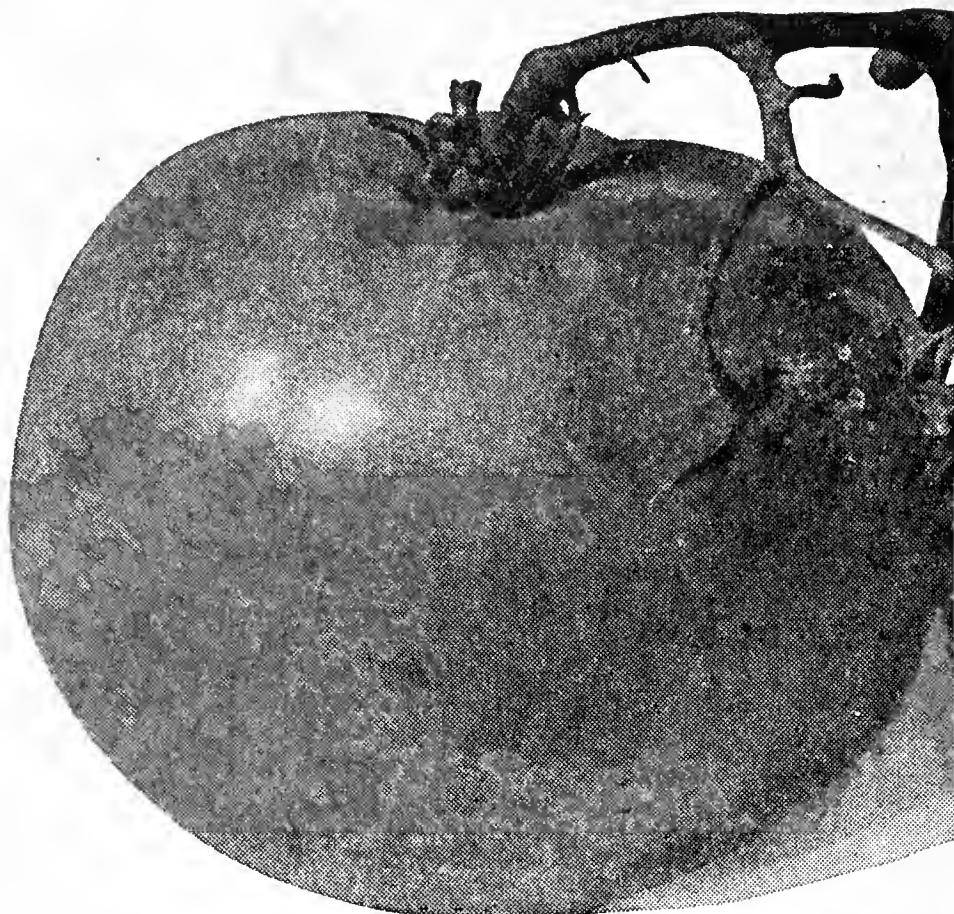


# TOMATOES

Six to eight ounces to an acre; one ounce to 1,500 plants.

**Culture**—The seed may be started in hotbed in March, or sufficient plants for family use can be grown in pots or boxes indoors with very little trouble. Be particular to give plants the benefit of fresh air and sun whenever judicious, for the purpose of hardening them, and cover with mats when necessary to prevent them from frosting. The two extremes of heat and cold are equally injurious. It is customary with the best gardeners to remove the plants from hotbeds to the cold frames, allowing a distance of several inches between the plants. In April select and prepare the soil and set the plants 3 feet each way. Hoe and draw earth to the stems. When the plants crowd, the fruit will be small. Have the soil very rich. For general crop sow from the middle of April or during May. The number of days on varieties shown means the time from setting of plants. To prevent blossom end rot and blight, spray plants when young with Pyrox—it is a splendid fungicide and insecticide. For healthier tomato plants treat seeds before sowing with Semesan. Its results are really wonderful.

All prices on Tomato seeds are postage paid.  
Special offer: Select any 3— 5c packets for 10c  
Select any 7— 5c packets for 25c  
Select any 3—10c packets for 25c



Master Marglobe

**MASTER MARGLOBE.** (Certified seed). (83 days). This Special Strain seed is taken from tomatoes of the first, or crown set, from plants which were grown from vine-selected stock seed. This method of selection brings the Marglobe into production just a little earlier. The Marglobe was developed by Dr. Pritchard of the United States Department of Agriculture. It is rust- and wilt-resisting; fruits are a globe shape; seed cavities small; flesh firm and of a very attractive bright red color. Marglobe is one of the very best main crop tomatoes. It is a good shipper and canner. It has a sturdy vine which carries the fruit well, with plenty of foliage to protect its fruit. It is one of the heaviest yielders among the midseason varieties. Pkt., 10c; ½ oz., 25c; oz., 40c; 2 ozs., 75c; ¼ lb., \$1.25; ½ lb., \$2.25; 1 lb., sealed, \$3.50.

**MARGLOBE.** 83 days. The seed offered here is taken from the whole crop of a field grown from carefully selected stock seed and we believe this seed we are offering is as good seed as any offered from ordinary selected tomatoes. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., 85c; 1 lb., \$1.40.

**PRITCHARD.** 84 days. Wilt-resistant, midseason main crop variety. Heavy cropper of scarlet, globe-shaped fruits. Fruit very heavy, inside color beautiful red, desirable for canning. Abundant foliage to protect from sun-scaud. Excellent tomato for the home garden and market gardener as well as long distance shipper. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 50c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.20.

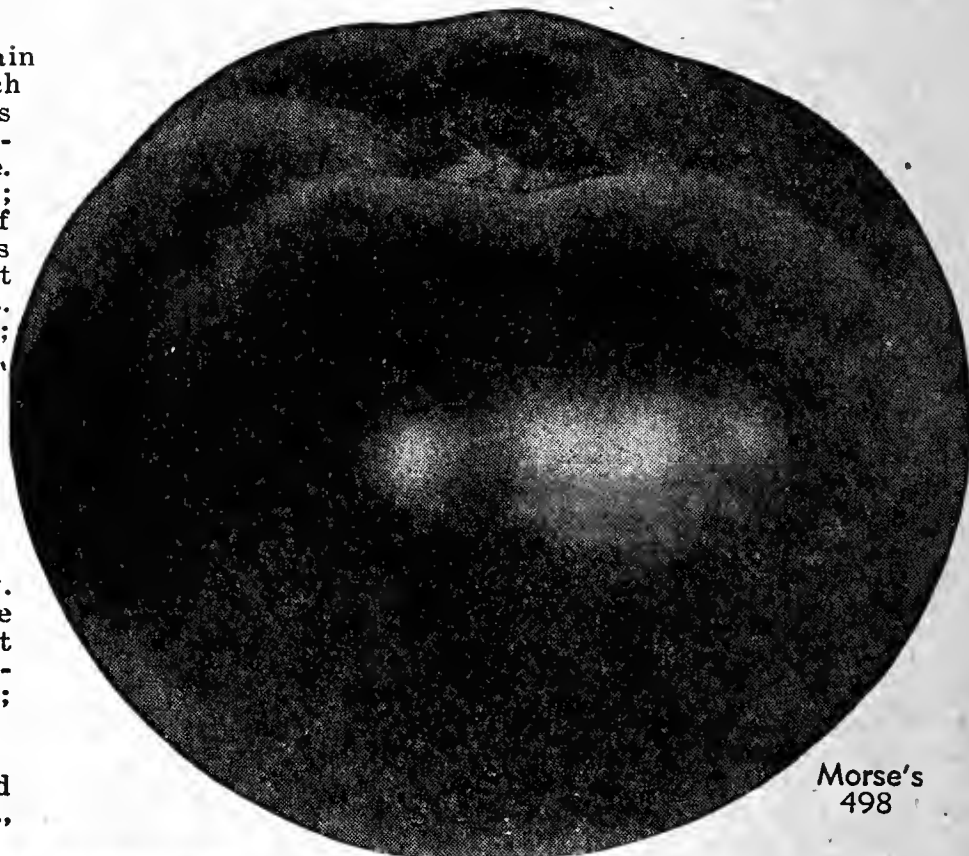
**MORSE'S 498.** Very early, 72 days; more globe shaped than Earliana and averages larger; color bright scarlet, adapted for very early market. Pkt., 10c; ½ oz., 30c; oz., 50c; 2 ozs., 85c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.75.

**GROTHEN GLOBE.** A new early wilt-resistant variety, maturing in 78 days, similar to Break o' Day but the fruits are deeper. Pkt., 10c; ½ oz., 35c; 1 oz., 50c; 2 ozs., 85c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.75.

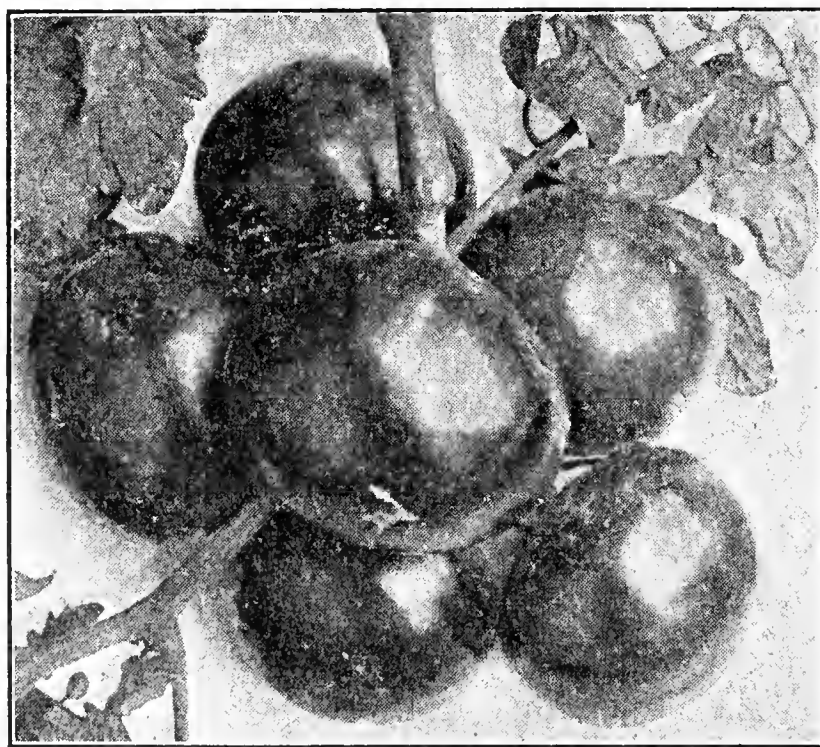
**GULF STATE MARKET.** 77 days. Fruit purplish pink, smooth, firm globe shaped, fine for market or home gardens. Vine vigorous and productive. Pkt., 5c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 80c; ½ lb., \$1.45; 1 lb., \$2.50.

**BREAK O' DAY.** (70 days). An extra early perfect globe hybridized from Marglobe and other earlier tomatoes. Almost as early as Earliana. All the wilt- and disease-resistant qualities of Marglobe but at least two weeks earlier. Good shipper. Beautiful red. Stands hot and dry weather. No acid. Pkt., 5c; ½ oz., 20c; 1 oz., 30c; 2 ozs., 50c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.20.

**EARLIANA.** 68 days. Scarlet-red. Coming into the market early it commands top prices. It produces an abundance of remarkably solid fruit of uniform shape and rich, bright red color. The tomatoes are borne in clusters. They are of good flavor and contain few seeds. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.85.



Morse's 498



Break o' Day

**BONNY BEST.** 74 days. Here is an old favorite that has been continuously selected for earliness, solidity, smoothness, and evenness of ripening. It is a vigorous grower producing bright red fruit throughout the season. The heavy foliage is a good protection against sun-scaud. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.85.

**GREATER BALTIMORE.** 80 days. Being a deeper, more blocky tomato than Stone, Greater Baltimore has become a universal canning favorite. It produces an unusually heavy tonnage per acre, having fine shaped fruit, very heavy, firm and meaty. For main and late crops it is also popular among home and market gardeners. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c; ½ lb., 85c; 1 lb., \$1.35.

**COOPER'S SPECIAL OR SELF-PRUNING.** Ready to pick in 78 days. An improved strain of Livingston's Globe that was given the name Self-Pruning because of its limited branching habit. Tomatoes are borne profusely all along the vine, are perfectly smooth, solid and of medium size. Fruits purple; globe shaped, very fleshy, juicy, and of a delightful sub-acid taste. Matures earlier than most main crop sorts and keeps on bearing almost until frost. Pkt., 5c; ½ oz., 20c; 1 oz., 35c; 2 ozs., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25.

## Aero Cyanamid

Use on your Tomato crop. Will produce larger fruit and a heavier crop. See Green Ink List for prices.



## TOMATOES—Continued.

**EARLY DETROIT.** 84 days. Vines vigorous and productive. Fruit round and nearly globe-shaped, firm and purplish pink in color. A splendid second early variety. Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 45c; ¼ lb., 75c; ½ lb., \$1.30; 1 lb., \$2.40.

**REDHEAD.** 70 days. This exceptionally fine, large bright red variety is as early as the Chalk's Early Jewel, nearly as large as New Stone and very productive. Fruit almost globe shaped, very solid. An excellent variety for the market gardener. Pkt., 5c; ½ oz., 25c; oz., 40c; 2 ozs., 65c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25.

**NEW STONE.** 86 days. Vines vigorous and productive. Fruits large, smooth, solid, and deep red in color; very heavy. This is a favorite canners' variety. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25.

**GIANT PONDEROSA.** 89 days. A purplish pink tomato of largest size. Vine vigorous and very productive. Fruit very solid, fairly smooth, and considered of very good quality, especially by those who prefer a tomato quite free from acid. Pkt., 5c; ½ oz., 25c; 1 oz., 40c; 2 ozs., 65c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25.

**OXHEART.** 90 days. Fruits large, heart-shaped; pink flesh, solid with but few seeds, of mild flavor. Excellent for home gardens. Pkt., 10c; ½ oz., 30c; oz., 50c; 2 ozs., 80c; ¼ lb., \$1.35; ½ lb., \$2.20; 1 lb., \$4.00.

## PRESERVING TOMATOES

78 days.

**RED PEAR.** Pkt., 10c; ½ oz., 25c; oz., 45c.

**RED PLUM.** Pkt., 10c; ½ oz., 25c; oz., 45c.

**YELLOW PEAR.** Pkt., 10c; ½ oz., 25c; oz., 45c.

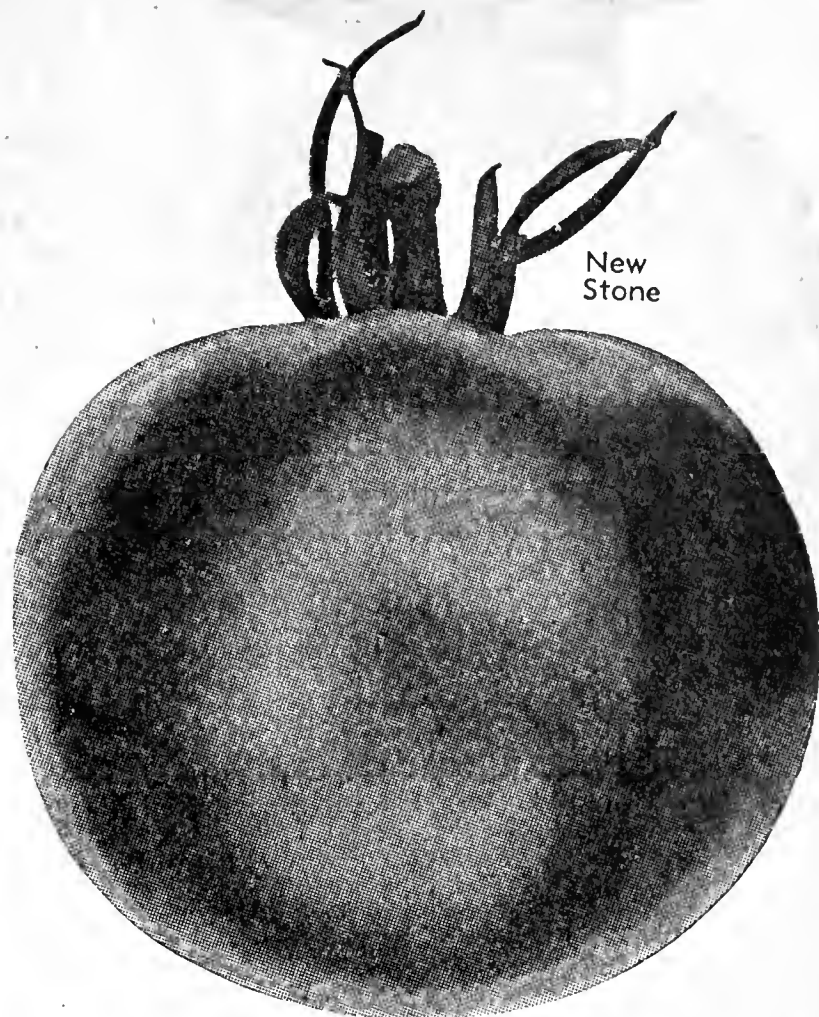
## Feed Everything You Grow

with this complete,  
balanced diet

**VIGORO**  
Complete plant food



5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.30.  
By mail, 5 lbs., 65c; 10 lbs., \$1.10.



New Stone

**DWARF PONDEROSA.** 90 days. Purplish pink. A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant. Of the same color as Ponderosa. Pkt., 10c; ½ oz., 25c; 1 oz., 50c; 2 ozs., 85c; ¼ lb., \$1.35; ½ lb., \$2.20; 1 lb., \$4.00.

**BEEFSTEAK.** 90 days. Large fruit, 4 to 5½ inches across, nearly always perfectly smooth, glossy, bright red flesh. Very solid; excellent quality, few seeds; ripening up to stem; good keeper and a good shipper. Pkt., 10c; ½ oz., 25c; 1 oz., 40c; 2 ozs., 80c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25.

**YELLOW PONDEROSA.** 90 days. Equals Ponderosa in size, but bears rich golden yellow fruits in abundance. Pkt., 10c; ½ oz., 25c; oz., 45c; 2 ozs., 90c; ¼ lb., \$1.10; ½ lb., \$2.10; 1 lb., \$4.00.

## POTTED VEGETABLE PLANTS

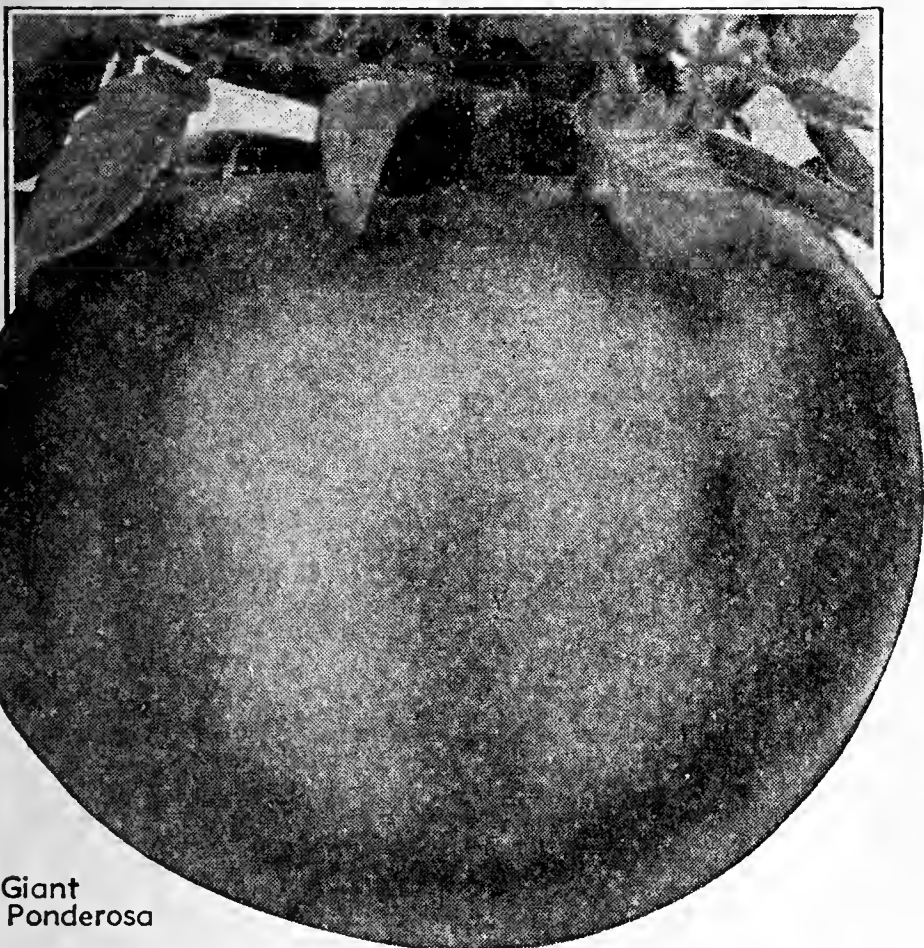
Ready April 1st to 10th.

**TOMATO.** Marglobe, Ponderosa, Gulf State.

**EGGPLANT.** Black Beauty.

**PEPPER PLANTS.** California Wonder, Long Red Cayenne.

Postpaid, doz., 60c. Not prepaid, doz., 40c; 100, \$3.00.



Giant Ponderosa



Yellow Pear Tomato

1938  
ALMANAC AND  
CALENDAR

Sent free with orders up to April 1st, 1938. Tell us if you want a copy.

## Tomato Plants

Ready April 1st, following varieties:

**BONNY BEST** **MASTER MARGLOBE**  
**GULF STATE** **NEW STONE**  
**GREATER BALTIMORE** **PONDEROSA**

### HOTBED OR FIELD GROWN PLANTS

Postpaid: 100, 65c; 500, \$2.00; 1000, \$3.00.

Not prepaid: 100, 50c; 500, \$1.50; 1000, \$2.50; 5000, \$10.00.

### TRANSPLANTED PLANTS

Ready April 10th.

Postpaid: Doz., 30c; 50, 75c; 100, \$1.00; 1000, \$5.75.

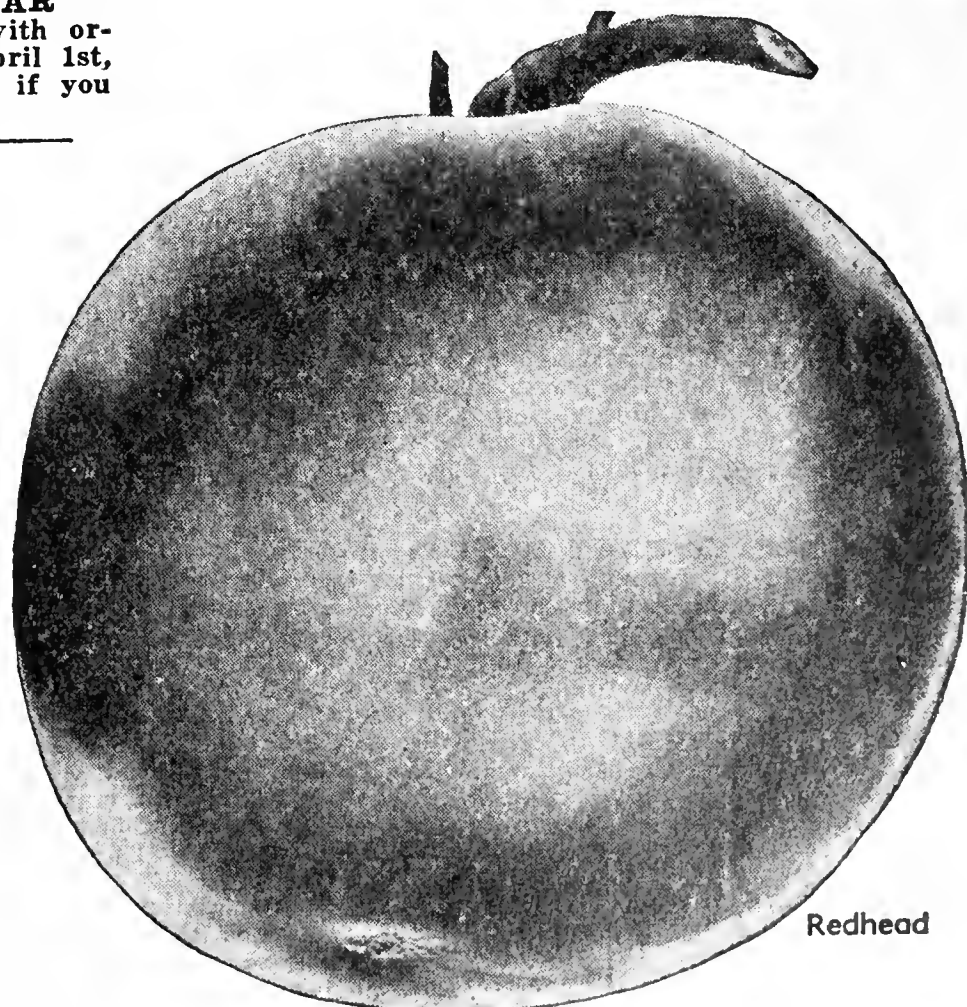
Not prepaid: Doz., 20c; 50, 50c; 100, 75c; 1000, \$5.00.

## State Certified TOMATOES

All special stocks certified in the States where they are grown.

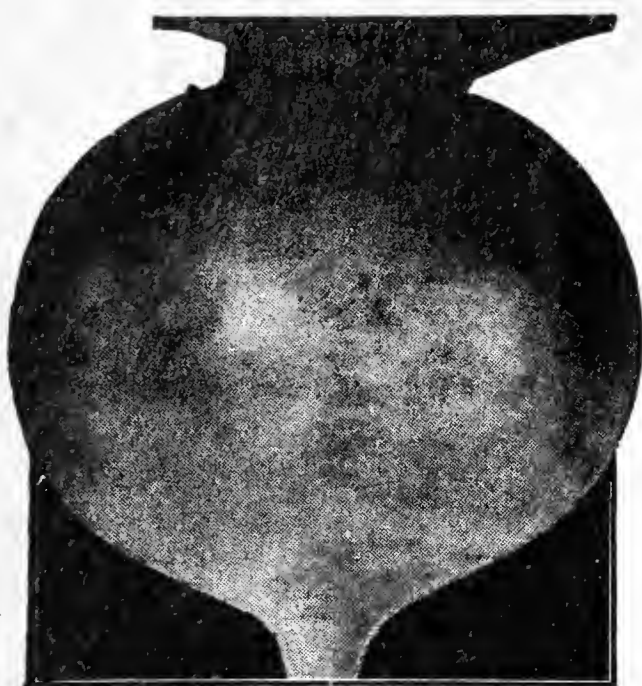
	Pkt.	½ oz.	1 oz.	¼ lb.	1 lb.
Bonny Best	\$0.10	\$0.25	\$0.40	\$1.25	\$3.50
Master Marglobe	.10	.25	.40	1.25	3.50
Pritchard	.10	.25	.40	1.25	3.50
Supreme Gulf State	.10	.30	.50	1.75	5.50
Supreme Marglobe	.10	.30	.50	1.75	5.50

Above prices are postage paid.



Redhead





Purple Top White Globe

# TURNIPS

**Culture**—Spring sowing should be put in early, so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Cover the seed about ½ inch. Sow 1 pound to acre in drills, 2 pounds broadcast. Rutabaga or Swede should be sown in July, and always in drills 20 inches apart, and then the plants thinned out to stand 6 inches. As the plants grow ridge up to them, otherwise they will form no bulbs.

## Special Offer

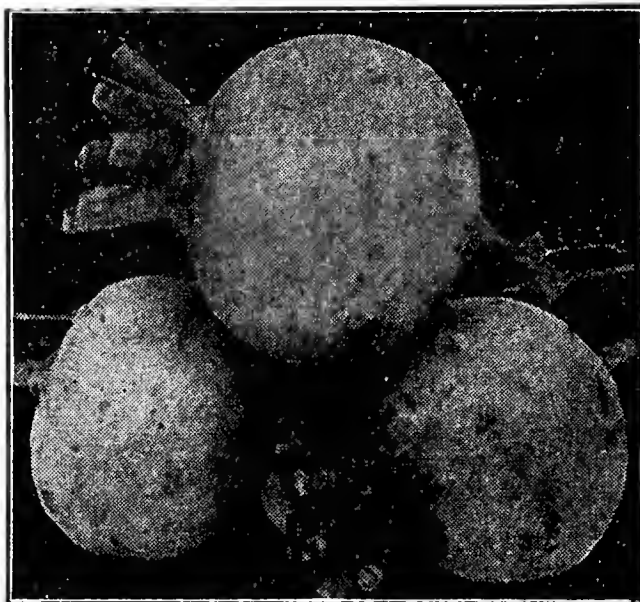
Select any 3—5c packets for 10c  
Select any 5—10c packets for 25c  
Select any 4—15c packets for 50c

Prices for large quantities are given on Green Ink List enclosed.

**PURPLE TOP WHITE GLOBE.** 60 days. This is one of the most valuable, most popular and most salable varieties now grown; it is of globe shape, flesh pure white, with a red or purple top, and of very rapid growth. It is of the same character and habit as the Red or Purple Top Flat, differing only in its form and leaves; but owing to the great size and thickness of the root, it will produce twice as much to the acre. It is also a good winter variety. It can be sown either broadcast or in drills, and is always a sure cropper. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35, postpaid.

**E.-H. CO.'S AMERICAN RED TOP GLOBE.** 60 days. Grown for us on contract from our own special seed stock. A perfect globe shape with bright red or purple top and snow-white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00, postpaid.

**JAPANESE SHOGGIN LOUSE RESISTANT TURNIP.** 95 days. A new variety that is becoming very popular in the South. Especially valuable for turnip greens, which are always in good demand during the late spring and summer months in the South. The leaves grow upright, about 2 feet high when fully developed, which make it practically free from insect attacks. The roots are pure white, between flat and globe in shape; however, this wonderful new sort is more largely planted for the tops than the roots. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35, postpaid.



Large White Globe

**LARGE WHITE GLOBE.** 70 days. A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine-grained, maturing in about 75 days. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35.

**PURPLE TOP MILAN.** 44 days. This celebrated foreign variety is the earliest strap-leaved turnip in cultivation; flesh pure white, purple top, of flat form and excellent quality. Highly recommended for an early crop. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00, postpaid.

**EXTRA EARLY WHITE MILAN.** 44 days. Early as the Purple Top Milan; of a perfect flat form; pure white; small foliage and of fine quality; as an early market variety it is unsurpassed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.00.

**WHITE EGG.** 60 days. A very popular and desirable early variety; pure white; of egg shape. The flesh is sweet, firm and mild. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50, postpaid.

**PURPLE TOP FLAT STRAPLEAF.** 46 days. Perfectly flat form with a small tap-root and a bright purple top; the leaves are short and narrow. It is a fine table variety and excellent for feeding stock. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35, postpaid.

**EARLY WHITE FLAT DUTCH.** 46 days. Is of a beautiful flat form, of pure white color and of a delicate, mild flavor. It produces bulbs entirely free from small roots and with long, narrow strap leaves growing erect, which permits close culture. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.35, postpaid.

**SOUTHERN SEVEN TOP.** 70 days. Cultivated very extensively in the South for the tops, which are cooked and served as greens. Does not produce edible roots. It is very hardy and may be left standing in the open ground during the winter. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.65, postpaid.

**SOUTHERN PRIZE.** 70 days. Grown for winter and spring salads. Very hardy and stands the winter without protection; highly recommended. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.65, postpaid.

**LARGE YELLOW AMBER GLOBE.** 76 days. This is a very beautifully formed variety, of an amber color, quite productive, solid flesh, and attractive in appearance. It keeps well and is desirable for either table use or stock feeding. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.35, postpaid.

**YELLOW ABERDEEN.** 80 days. Resembles a very handsomely formed Rutabaga, and for feeding purposes is fully equal to them and keeps solid until very late in the season. It can be sown with success fully a month later than the Swede, and is also quite desirable for table use. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.35, postpaid.

**LONG WHITE COW-HORN.** 70 days. A pure white variety with green top, growing in shape similar to a cow's horn. Is desirable for both table use and for stock feeding. The flesh is fine grained and well flavored. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50, postpaid.

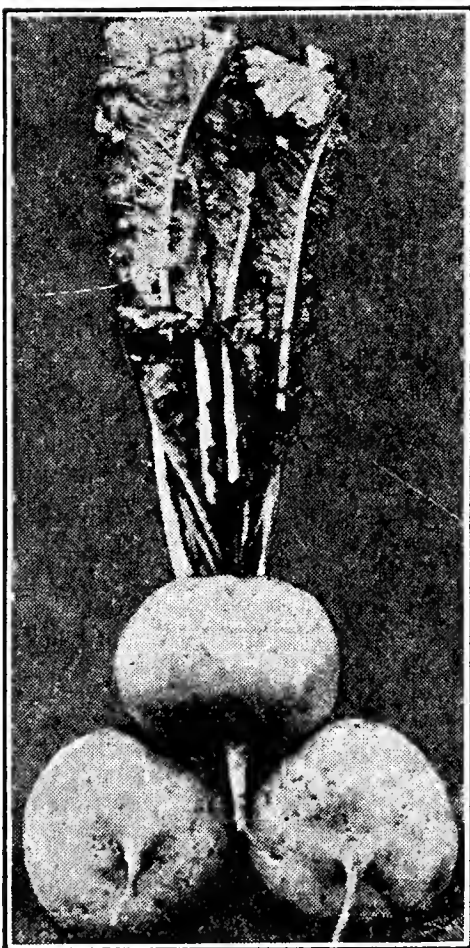
**MIXED TURNIP.** A dependable mixture of all the fall and winter turnips, both for the turnips and for the greens that will keep your table supplied from fall until late spring. Sow liberally as they are good both for table use and stock. Pkt., 4c; oz., 6c; 2 ozs., 10c; ¼ lb., 15c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.25, postpaid.

## RUTABAGAS or SWEDE TURNIPS

Large winter turnips with a fine sweet flavor.

**Culture**—The same as turnips except that Rutabagas require a longer season for maturing and should be sown the latter half of July.

**Purple-Top Yellow Rutabaga.** One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. Valuable table variety. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35, postpaid.



Japanese Shogoin

## TOBACCO

The seed are sown in the spring. When these plants are almost 6 inches high, set out 2 feet apart in drills, with rows 3 feet apart.

One ounce of seed will make enough plants to set out 3 acres.

**HAVANA.** Grown largely for wrappers of all good cigars.

**WHITE BURLEY.** Fine for both chewing and smoking.

Price of any of the above varieties: Pkt., 10c; ½ oz., 25c; oz., 40c, postpaid.

## AGICIDE

Is effective for controlling Aphis or Lice on the turnip crop. 12-oz. blower pkg., 75c; postpaid, 85c.





# Garden and Vegetable Plants

## Frost-Proof Cabbage Plants

These plants will stand light freezes and considerable cold with little or no damage. They are raised outdoors and are hardy and vigorous. If weather permits they can be set out in this section early in February. If you cannot plant on arrival, heel the plants in the ground; they will keep for weeks. These open air plants enable the gardener to bring full grown heads to the market 3 weeks earlier. Do not be disappointed if the plants look wilted or yellow on arrival. Set the roots in water for 24 hours and they will revive and grow perfectly satisfactory. All Frost-Proof Cabbage Plants have a wilted appearance but they will freshen up and come through if you handle them promptly as directed.

Orders for Frost-Proof Cabbage Plants will be filled from February 1st to April 1st and all orders will be sent to customers promptly unless weather is too cold or severe.

### PRICES OF FROST-PROOF CABBAGE PLANTS

	Postpaid				Express			
	100	200	500	1000	100	200	500	1000
Early Jersey Wakefield	\$0.35	\$0.60	\$1.20	\$1.75	\$0.25	\$0.45	\$1.00	\$1.50
Charleston Large Wakefield	.35	.60	1.20	1.75	.25	.45	1.00	1.50
Copenhagen Market	.35	.60	1.20	1.75	.25	.45	1.00	1.50
Early Flat Dutch	.35	.60	1.20	1.75	.25	.45	1.00	1.50

No plants shipped C. O. D. No order for less than 100 plants can be accepted. Customers wanting prices on large lots, write us for special prices.

## Eggplants

**BLACK BEAUTY, NEW YORK PURPLE.** Ready April 15th. Postpaid, doz., 25c; 50, 75c; 100, \$1.10. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00.

## Lettuce Plants

**BIG BOSTON, NEW YORK WONDERFUL.** Ready March 1st. Postpaid, 50, 30c; 100, 50c; 500, \$1.50; 1000, \$2.75. Not prepaid, 50, 20c; 100, 35c; 500, \$1.25; 1000, \$2.25.

## Pepper Plants

**CALIFORNIA WONDER, CHINESE GIANT, RUBY KING, PIMIENTO, LONG RED CAYENNE.** Ready April 1st. Postpaid, doz., 25c; 50, 65c; 100, \$1.00; 500, \$2.50; 1000, \$3.50. Not prepaid, doz., 15c; 50, 50c; 100, 75c; 500, \$2.00; 1000, \$3.00.

## Sweet Potato Plants

Ready April 15th.  
**CERTIFIED NANCY HALL.** Postpaid, 100, 50c; 200, 80c; 500, \$1.50; 1000, \$2.25.  
**CERTIFIED PORTO RICO.** Postpaid, 100, 50c; 200, 80c; 500, \$1.50; 1000, \$2.25.

## Seedling Tomato Plants

Ready March 25th.  
**GULF STATE MARKET, MASTER MARGLOBE, PONDEROSA, STONE, BONNY BEST, GREATER BALTIMORE.** Postpaid, 100, 65c; 500, \$2.00; 1000, \$3.00. Not prepaid, 100, 50c; 500, \$1.50; 1000, \$2.50; 5000, \$10.00.

## Transplanted Tomato Plants

Ready April 10th.  
Same varieties as seedlings. Postpaid, doz., 30c; 50, 75c; 100, \$1.00; 1000, \$5.75. Not prepaid, doz., 20c; 50, 50c; 100, 75c; 1000, \$5.00.

## Potted Tomato Plants

Three varieties only. Ready April 1st.  
**MASTER MARGLOBE, PONDEROSA, GULF STATE. POTTED EGGPLANTS, BLACK BEAUTY. POTTED PEPPER PLANTS, CALIFORNIA WONDER. POTTED PEPPER PLANTS, LONG RED CAYENNE.**  
Prices of all potted plants: Postpaid, doz., 60c. Not prepaid, doz., 40c; 100, \$3.00.  
It will pay you to plant our potted garden plants (they seldom fail).

## Asparagus Roots

**MARY WASHINGTON.** 2-year strong roots. Postpaid, 25, 60c; 50, \$1.20; 100, \$2.00. Not prepaid, 25, 50c; 50, \$1.00; 100, \$1.75.

## Rhubarb Roots

**VICTORIA.** 1 year. Postpaid, each, 15c; doz., \$1.00. Not prepaid, each, 10c; doz., 75c.

## Horseradish Roots

**MALINER KREN.** Cuttings. Postpaid, doz., 40c; 50, \$1.40; 100, \$2.50. Not prepaid, doz., 35c; 50, \$1.25; 100, \$2.25.

## Bermuda Onion Plants

Plant in February or March, 4 to 6 inches apart in 24-inch rows; early plantings should be mulched slightly. Bermuda Onion Plants give you green onions or mature the crop much earlier than those grown from sets and besides they do not bolt to seed like the sets.

We begin shipping onion plants in January if weather is not too severe.



	Postpaid			Not Prepaid		
	200	500	1000	200	500	1000
Crystal White Wax	\$0.30	\$0.60	\$1.00	\$0.20	\$0.40	\$0.75
Yellow Bermuda	.30	.60	1.00	.20	.40	.75

Our green ink price sheet quotes Onion Plants in larger quantities. No plants shipped C. O. D.

## Beet Plants

Ready March 1st.

**CROSBY'S EGYPTIAN, DETROIT DARK RED.** Postpaid, 100, 50c; 200, 85c; 500, \$1.75; 1000, \$2.85. Not prepaid, 100, 35c; 200, 60c; 500, \$1.50; 1000, \$2.50.

## Broccoli and Brussels Sprouts

Postpaid, doz., 25c; 25, 40c; 100, \$1.00. Not prepaid, doz., 15c; 25, 25c; 100, 75c.

## Cauliflower

**EARLY SNOWBALL.** Ready March 1st. Postpaid, doz., 25c; 25, 40c; 100, \$1.10. Not prepaid, doz., 15c; 25, 25c; 100, 85c.

## Celery Plants

**GIANT PASCAL.** Ready March 15th. Postpaid, 25, 25c; 50, 40c; 100, 75c. Not prepaid, 25, 15c; 50, 30c; 100, 50c.

## Germaco Hotkaps

Give Your Garden a Good Start With HOTKAPS

New Method of Plant Protection



Germaco Hotkaps are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an “individual hot-house for each plant,” protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

Be the first with a spring garden. Protect your plants against weather and insects with HOTKAPS. Have vegetables and flowers weeks earlier.

They are miniature greenhouses. Cover small plants such as tomato, pepper and eggplants, or cover hills after the seed has been planted in Cantaloupe, Cucumber and Squash.

Prices: Home Garden Package, 25 Hotkaps and cardboard setter, 50c; by mail, 60c.

Special—100 Hotkaps with garden setter and tamper, \$2.65; by mail, \$2.85.

Special—250 Hotkaps with garden setter and tamper, \$3.85; by mail, \$4.10.

1000 Hotkaps without setter, \$10.25.

5000 Hotkaps without setter, \$50.75.

Garden setter alone, 50c; mailed, 60c.

Steel Setter and Tamper, \$1.50; by mail, \$1.75.

Steel Tamper alone, 25c; mailed, 35c.



# New and Desirable Varieties of Flower Seeds

## Marigold, Dwarf Double Harmony

An outstanding variety, absolutely distinct in formation and color of flowers. The center is composed of golden orange disc petals that are fluted and deeply cut, and are so close together as to give the effect of a cushion. Surrounding the center are 4 or 5 rows of outside petals of reddish brown, a lovely and brilliant contrast. Plants, 12 inches high, come into bloom early and continue to flower most profusely until hard frost. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; 1 oz., \$1.25.

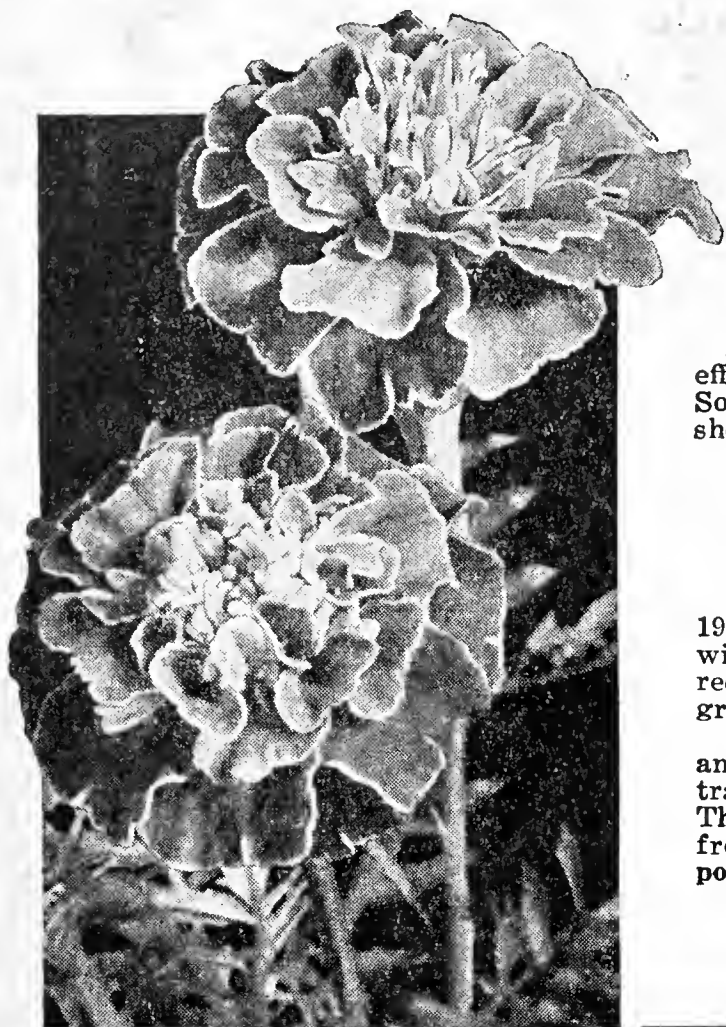
## Cuphea, Firefly

An outstanding new annual border plant. Plant compact, about 10 inches high, and the general effect when it is in full bloom is a ball of fire since the small flowers are fiery cerise-red in color. Sow seed thinly in April. Cuphea Firefly is a real treasure in modern gardens and you certainly should not miss having it. Pkt., 25c; 1/32 oz., 75c; 1/16 oz., \$1.25; 1/8 oz., \$2.00, postpaid.

## Petunia, Burgundy

Special mention All America Selection 1937. A strong rugged grandiflora type with showy flowers in a shade of deep wine-red. It is well worth growing as a special group.

The flowers are plain edged of good size and substance. The strong red blooms contrasting boldly with the snowy white throat. The plants make a heavy growth, are very free blooming. Pkt., 25c; 5 pkts., \$1.00, postpaid.

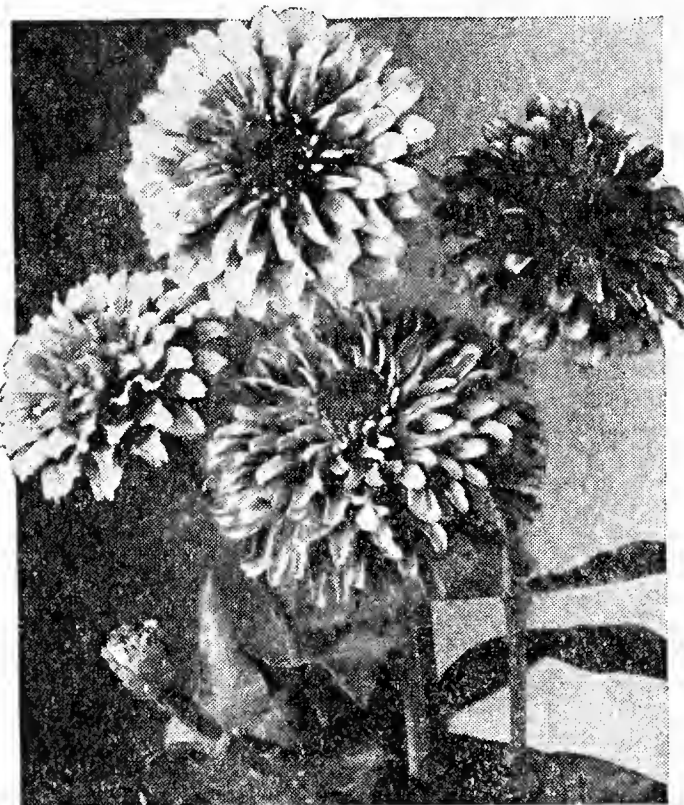


Marigold, Dwarf Double Harmony

## Nierembergia Hippomanica

(Dwarf Cup Flower)

Another new desirable flower that will add much to your garden and attract attention. It will bring admiration from one who sees it. Plant is very dwarf and compact, streamlined, you might call it, 5 to 6 inches tall, with a spread of only 8 to 10 inches. Foliage light gray-green, very inconspicuous and the small plants are covered with blossoms that are a lovely lavender and blue shade, heightened by a touch of yellow in the center. It is most charming. Will flower in about 15 weeks after the seed is sown and keeps on blooming until frost. It will be found an excellent edging or border plant. Sow in April. Being a half-hardy perennial it will live and bloom for several years. Cut back at the end of the season and it will send out fresh growth in the spring. Pkt., 50c; 3 pkts., \$1.25, postpaid.



Zinnia, Gaillardia Flowered



Cuphea, Firefly

## Zinnia Gaillardia Flowered

Another of the newer Zinnia types. The flowers resemble the Picta double Gaillardia. Plant 2 feet tall and very free flowering. They are very attractive, of medium size, about 2 inches in diameter, just the size for a good cut flower, carried on stems of medium length. The colors range through mellow tones of rose, pink, bronze, yellow, orange, lavender, and other combinations of these colors, some two-toned toward the center. Flowers in 45 days after seed is sown. Pkt., 25c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.00; 1 oz., \$1.50.

**Special Offer** One packet of the above six new and desirable flower seeds, regular value \$1.85, sent postpaid for only \$1.00.

## Petunia, New All Double Dwarf Victorious

A free giant-flowering variety, flowers 100 per cent double, are very large, fringed, and are so free flowering they almost hide the foliage. Mixed colors, blended from several separate colors in beautiful shades. Plants dwarf, compact and uniform. Pkt., 50 seeds, 50c; 3 pkts., \$1.25, postpaid.

1938

### ALL-AMERICA SELECTIONS

The following list of flowers were given Award of Merit, and Special Mention for 1938, as shown, by the Central Committee in charge of trials.

#### AWARD OF MERIT

Antirrhinum, Celestial  
Calliopsis, Golden Crown  
Calendula, Orange Fantasy  
Petunia, Orchid Beauty  
Petunia, Salmon Supreme, Pkt., 35c

#### SPECIAL MENTION

Petunia, Dwarf All Double Gaiety  
Petunia, Topaz

#### RECOMMENDED

Petunia, Blue Gem

Price, any of above seven 1938 All-America Selections of Flower Seeds, 25c per packet, postpaid, excepting Petunia, Salmon Supreme, which is 35c. Special offer: One each of the seven varieties, postpaid for ..... \$1.50



Nierembergia Hippomanica



# R.-H. Co.'s Top Notch Flower Seeds

Our list comprises most all the desirable and popular varieties. Our flower seeds are from the best growers in Europe and from Bodgers, Ltd., California, U. S. A. No better flower seeds can be had from any source.

ALL PRICES ON FLOWER SEEDS ARE POSTAGE PAID

## Sowing Flower Seeds

Directions for sowing flower seeds are printed on all packets, in addition we wish to urge our patrons not to cover flower seeds too deep. Shallow planting is desired. If the soil becomes dry, water it first before sowing seeds.

**Cultural Directions**—Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them and then cover lightly with damp peat moss. Water frequently. A good plan is: Sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

### Acroclinium

Pretty annual everlasting for cut flowers, height 15 inches.

**DOUBLE MIXED COLORS.** Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.

### Ageratum

An excellent annual for edging or bedding, height 6 inches.

**BLUE BALL.** Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; 1 oz., 80c.

**DWARF BLUE.** Pkt., 10c; ¼ oz., 25c; ½ oz., 35c; 1 oz., 50c.

**FINEST MIXED.** Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; 1 oz., 45c.

### Alyssum

Annuals that bloom freely throughout the summer. For borders, pots, rockeries or for cutting Alyssum is always satisfactory.

**SWEET ALYSSUM.** Height 1 foot. Flowers pure white. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**GOLDEN YELLOW ALYSSUM.** Dwarf yellow flowers, plant compact. Pkt., 10c; ¼ oz., 25c; ½ oz., 35c; oz., 60c.

**LITTLE GEM ALYSSUM.** Plant extra dwarf, with snow-white flowers. Pkt., 10c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

### Amaranthus

Hardy annuals. Fine for backgrounds or center of beds, they grow from 2 to 4 feet high.

**CAUDATUS.** Drooping crimson flower spiked with yellow greenish foliage. Also known as Love-Lies-Bleeding. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

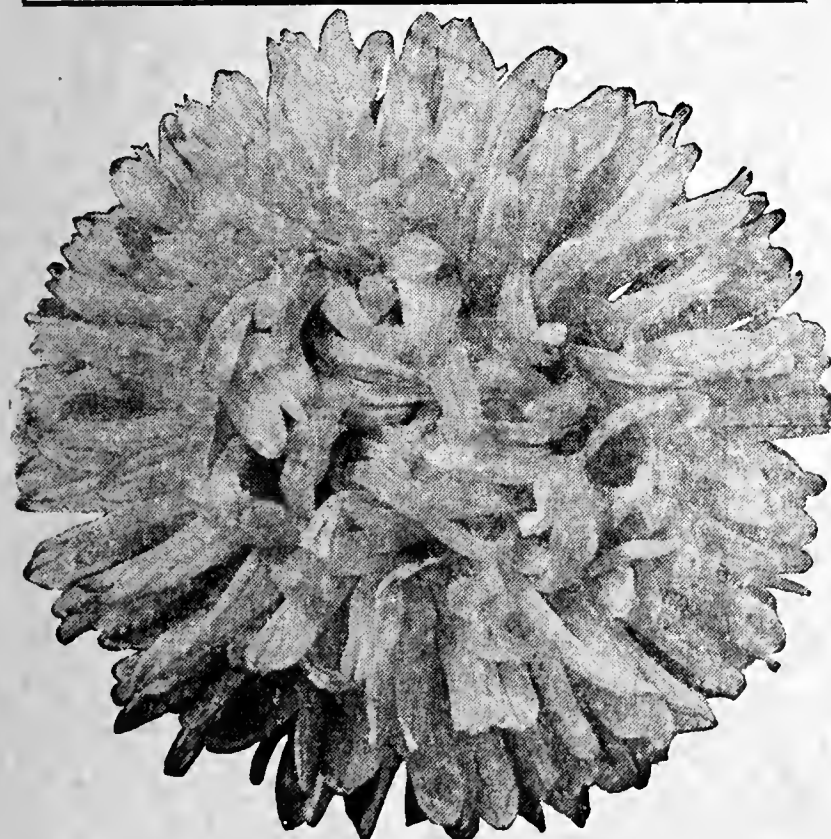
**CRUENTUS.** Showy, feathery heads. Also called Princess Feather. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**TRICOLOR.** Leaves variegated crimson-yellow and bronze. Known as Joseph's Coat. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

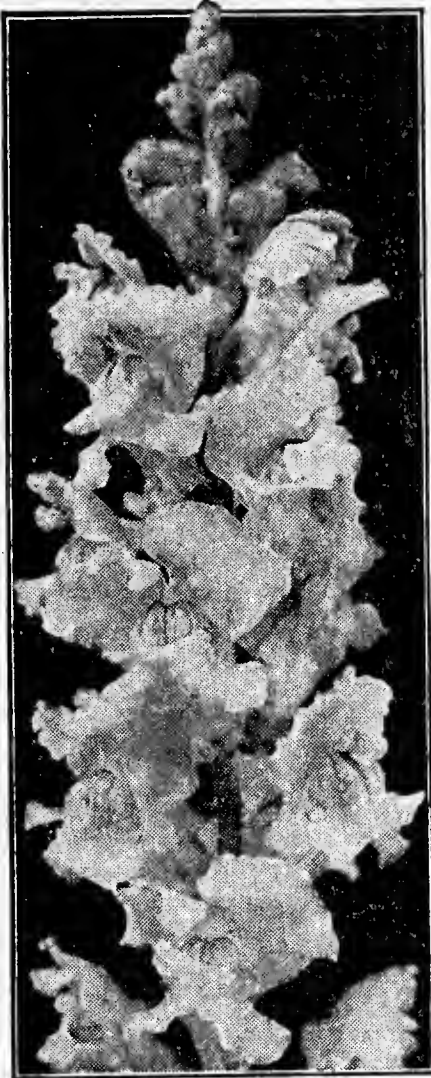
**SUNRISE.** Brilliant bronzy crimson with scarlet carmine leaves, a beautiful showy variety. Pkt., 10c; ¼ oz., 50c; ½ oz., 80c; oz., \$1.25.

### Special Offer On 5c pkt. Flower Seeds

For \$0.25 select any 7—5c pkts.  
For .50 select any 15—5c pkts.  
For 1.00 select any 35—5c pkts.



Aster, Giant Comet



Antirrhinum  
University of California



Ageratum, Dwarf Blue

### Special Offer On 10c pkt. Flower Seeds

For \$0.25 select any 3—10c pkts.  
For .50 select any 7—10c pkts.  
For 1.00 select any 17—10c pkts.

### Armeria

Hardy perennial. Fine edging plant with deep pink flowers. Also called Thrift or Sea Pink. Pkt., 5c; ¼ oz., 25c; ½ oz., 35c; oz., 50c.

### Antirrhinum (Snapdragon)

This half-hardy perennial is one of the most beautiful and showy garden flowers. Easily grown from seed and will bloom well the first season, and endures the winter and gives good results the second year, after which the plants disappear. Height 2 feet.

#### RUST-PROOF SNAPDRAGONS

A new race of vigorous growth and free of disease; excellent for borders, beds or cuttings.

**CRIMSON.** Brilliant fiery crimson.

**PINK.** Charming rose-pink, very beautiful.

**YELLOW.** Fine large yellow bouquet flower.

**SHASTA.** Beautiful pure white color.

Price of any of the above four varieties Rust-Proof Snapdragon: Pkt., 15c; ¼ oz., 75c; ½ oz., \$1.25; 1 oz., \$2.00.

#### UNIVERSITY OF CALIFORNIA MIXED SNAPDRAGON.

All colors in gorgeous assortment of shades. Rust-proof strain. Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; 1 oz., \$1.00; 1 oz., \$1.75.

**TALL MIXED SNAPDRAGON.** Finest mixed colors, 2½ to 3 ft. in height. Pkt., 5c; ¼ oz., 25c; ½ oz., 35c; 1 oz., 50c.

**DWARF MIXED SNAPDRAGON.** Plants 15 to 18 inches high, many beautiful colors in mixture. Pkt., 10c; ¼ oz., 90c; ½ oz., \$1.50.

**SEMI-DWARF CRIMSON.** Deep blood-red. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.50.

**SEMI-DWARF GOLDEN QUEEN.** Rich golden yellow. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.50.

**SEMI-DWARF SILVER PINK.** Pearly rosy pink, a rich shade. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.50.

**SEMI-DWARF QUEEN OF THE NORTH.** Pure snow-white. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.50.

### Aster

One of the easiest annual flowers to grow, height 2 feet. Sow seed early in March and transplant 18 inches apart.

#### AMERICAN BEAUTY WILT-RESISTANT VARIETIES

**Crimson** **Flesh-Pink** **White** **Purple** **Mixed**  
Price above five Wilt-Resistant Asters: Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; 1 oz., \$1.25.

**HEARTS OF FRANCE ASTER.** Attractive, ruby red in color, very showy. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; 1 oz., \$1.50.

**GIANT COMET ASTER.** Branching sort with large full fluffy flowers, mixed colors. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; 1 oz., 60c.

**MAMMOTH GIANT PEONY-FLOWERED ASTER.** Immense flowers, very double, produced on long stems; a splendid variety for cutting. Mixed all colors. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; 1 oz., \$1.25.

**SUNSHINE ASTER.** A superb Aster. The outer petals are long and narrow, and have crested flowers with golden center, mixed colors. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; 1 oz., \$1.50.

**CHINA ASTER.** Mixed colors. Pkt., 5c; ¼ oz., 25c; ½ oz., 35c; 1 oz., 50c.

**ALL COLORS MIXED.** A splendid combination of double and giant Asters, many colors. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; 1 oz., 40c; 1 oz., 60c.

### Balsam

**CAMELLIA FLOWERED.** Double. An old favorite garden annual, commonly known as Lady Slipper. Two feet high. Double mixed. Pkt., 5c; ½ oz., 20c; oz., 35c.

### Balsam Apple

A very ornamental and quick-growing annual vine, which is grown for its fruit, that has medicinal qualities. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.

### Balloon Vine

A rapid-growing climber, called Love-in-a-Puff, grows 6 to 10 feet in height. Annual. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.





Bachelor Button

## Bachelor Button

This free-blooming annual is also known as Cornflower (*Centaurea cyanus*). Sow in open ground, very early in February or March, about  $\frac{1}{4}$  inch deep. Transplant 6 to 8 inches apart. Fine for borders, beds or cutting.

**SINGLE MIXED COLORS.** Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c.  
**DOUBLE MIXED COLORS.** Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**SINGLE BLUE.** Bright blue. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**DOUBLE BLUE.** Dark blue. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**DOUBLE PINK.** Rosy pink. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**DOUBLE RUBY.** Bright red. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**DOUBLE MAROON.** Maroon-red. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c.

## Blue Lace Flower

Charming blue annual with dainty lavender and blue flowers on long stems. Sow indoors in March and transplant or sow outdoors in April and May. Blooms all summer. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 60c.

## Calendula

One of the best hardy annuals. Plants 12 to 18 inches high; they have showy double flowers that bloom until frost. Grow in almost any garden soil.

**BALL'S GOLDEN.** Richest deep golden yellow. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 45c.  
**CAMPFIRE SENSATION.** Double rich brilliant orange flowers with a scarlet sheen. This is the new sensation Calendula. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 60c.  
**CHRYSANTHA.** Very showy double flowers in all shades of yellow to deep orange and ivory. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 60c.  
**LEMON QUEEN.** Rich clear lemon-yellow of great brilliancy. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c; oz., 60c.  
**ORANGE KING.** Dark reddish orange with darker center. Pkt., 10c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**ORANGE SHAGGY.** Color deep orange, shading to a lighter tone; a distinct new type with deep long fringed petals. Pkt., 10c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 35c; oz., 60c.  
**NEW RADIO.** Clear orange color, beautiful quilled petals, very showy. Pkt., 10c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 40c.  
**SUNSHINE.** The 1934 All American gold medal winner. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 35c; oz., 60c.  
**MIXED CALENDULA.** All varieties and colors in mixture. Pkt., 5c;  $\frac{1}{4}$  oz., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

## Canary Bird Vine

This annual climbing vine grows 12 to 15 feet high and is covered with curiously shaped little canary-colored blossoms. Pkt., 5c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 35c.

## Candytuft

Hardy annual 8 to 10 inches in height. Good for edging or beds. Produces clusters of beautiful flowers in a wide range of colors, of easy culture.

**GIANT EMPRESS.** Flower pure white, resembling a white Hyacinth; a handsome border plant. Pkt., 10c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 35c.  
**MIXED CANDYTUFT.** A wide assortment of colors. Pkt., 5c;  $\frac{1}{4}$  oz., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

## Calliopsis

Free flowering annual,  $1\frac{1}{2}$  to 2 feet in height, in bright showy yellow shades; fine for cutting. Pkt., 5c;  $\frac{1}{4}$  oz., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

## Canterbury Bells

Produces large bell-shaped flowers, plants 2 feet in height, hardy biennial of easy growth. Single. Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 40c.

**ANNUAL CANTERBURY BELL.** 1933 Gold Medal Winner. Blooms the first season from seed, very showy. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., 90c; oz., \$1.50.

## Cannas

Start in boxes in February or March. Cut seeds on side before planting so moisture can penetrate. Finest Crozy mixed Cannas. Pkt., 5c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 20c; oz., 40c.

## Cardinal Climber

The vine attains a height of 20 to 30 feet and produces small, glowing scarlet flowers. Annual. Pkt., 10c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 50c; oz., 75c.

## Carnation

Half-hardy plants that will bloom the first season from seed. Start indoors in boxes or beds in March and transplant to the open ground in May.

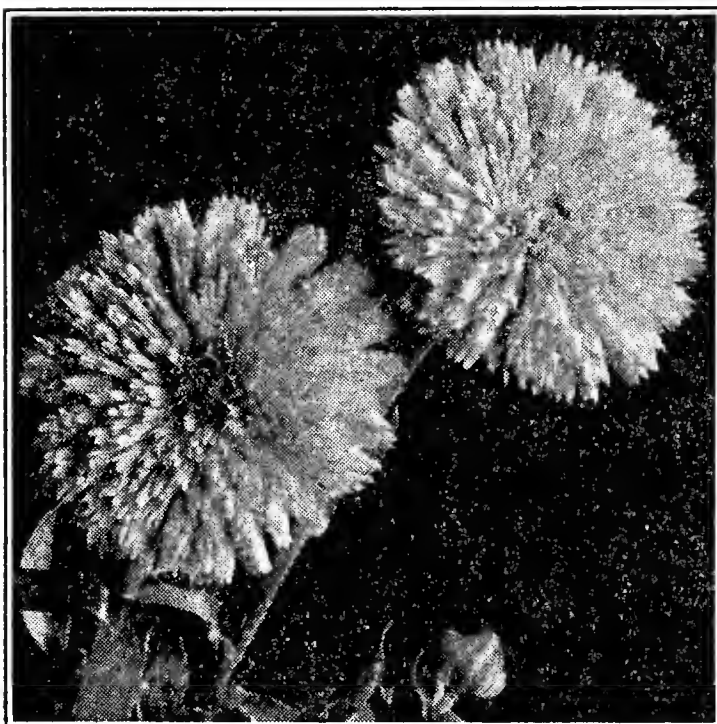
**CHABAUD'S GIANT DOUBLE.** Sweet scented. The large flowers are double and beautifully fringed. Height 18 inches. Mixed colors. Pkt., 15c;  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25.

**DOUBLE MARGUERITE.** A very popular showy Carnation; easily grown, very fragrant. Mixed colors. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 60c.

**GIANT GRENADIN.** This is an extra fine double variety, bright ruby-red and does well in this section. Fine for cut flowers. Pkt., 10c;  $\frac{1}{8}$  oz., 40c;  $\frac{1}{4}$  oz., 70c;  $\frac{1}{2}$  oz., \$1.25.

## Castor Beans (Ricinus)

This showy annual is used for its foliage. Makes a splendid background as it retains a



Calendula, Radio

height of 8 to 9 feet, very attractive. It is also useful to keep moles out of the ground. Plant in April, 6 to 8 feet apart.

**GIBSONI.** Bronzy red, green leaves with brilliant red seed pods. Pkt., 10c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 35c.

**ZANZIBARIENSIS.** Tall growing, has bright colored foliage. Pkt., 10c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 35c.

**MIXED RICINUS.** A fine assortment of many-colored varieties. Pkt., 5c;  $\frac{1}{4}$  oz., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c.

## Chinese Woolflower

Grows rapidly, 2 to 3 feet high. The flower heads resemble a ball of wool. Tender annual. Sow in March. Pkt., 10c;  $\frac{1}{4}$  oz., 50c;  $\frac{1}{2}$  oz., 75c; oz., \$1.25.

## Chrysanthemum

Free-flowering annuals that bloom the first season, 1 to  $1\frac{1}{2}$  feet in height, of simple culture. Sow in March and April.

**CORONARIUM.** Double mixed in many shades. Pkt., 5c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**DOUBLE HYBRIDS.** Many new varieties and colors in mixture. Pkt., 5c;  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 40c.

## Cobaea Scandens

This annual climbing vine grows 18 to 20 feet in a season. It is very attractive and produces large bell-shaped purple flowers. Blooms until frost. Pkt., 5c;  $\frac{1}{4}$  oz., 20c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

## Cockscomb

Fine for beds or borders. When grown as specimen plants they make a grand display and will stand almost any kind of weather. They will succeed in almost any situation. Annual. Sow in March.

**EMPRESS DWARF CRIMSON.** Crimson, large bright compact heads. Plants dwarf and erect. Pkt., 10c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.50.

**DWARF MIXED.** Many colors of Celosia in mixture. Pkt., 5c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 60c; 1 oz., 90c.



Carnation, Chabaud's



## Coleus

Tender annual. Sow seed indoors and transplant. Leaves many shades and combinations of yellow, green and red, mixed colors. Pkt., 10c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1/2 oz., \$1.50.

## Columbine

Hardy perennials. Profuse blooming, making choicest cut flowers on long stems. They succeed best in shady, moist places, and grow from 1 to 2 feet in height. Mixed double varieties in many colors. Pkt., 5c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c.

**LONG-SPURRED MRS. SCOTT ELLIOTT.** The most desirable, having very long spurs. Choicest hybrid mixed. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25.

## Coreopsis

Fine large blooms, golden yellow on long, graceful stems. Especially suited for cutting and blooms all summer. Hardy perennial. 2 1/2 feet. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

## Cornflower

**JUBILEE GEM.** An entirely new type of Double Blue Annual Cornflower, only 12 inches in height. Its foliage is distinct from all other Cornflowers, forming a tufted mass of vivid green, contrasting well with the dark but vivid double blue flowers. Easy to grow. Excellent for edging or border plant, makes a fine cut flower as well as pot plant. We predict a great demand for Jubilee Gem. Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1/2 oz., \$2.00; 1 oz., \$2.50.

## Cosmos

There is no other tall annual so useful or pretty as the Cosmos. Flowers very large. Petals fringed and plain in many beautiful colors; excellent for background or in front of large shrubs, or in the back of low-growing plants. Sow seed in March, thin to 18 to 24 inches to give them room. Height 3 to 4 feet.

**EARLY FLOWERING.** Mixed colors. Pkt., 5c; 1/4 oz., 25c; 1/2 oz., 30c; oz., 50c.

**GIANT FLOWERING PINK.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**GIANT FLOWERING CRIMSON.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**GIANT FLOWERING WHITE.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**GIANT FLOWERING MIXED COLORS.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 20c; 1 oz., 35c.

**KLONDYKE.** Gorgeous orange-colored flowers with handsome foliage. A beautiful variety. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

**ORANGE FLARE.** 1935 All American Gold Medal Winner. A most beautiful deep orange color. Flowers earlier than Klondyke, foliage handsome and more coarsely lacinated than other Cosmos. Blooms all summer. Pkt., 10c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.00.

**NEW SENSATION.** Very early and free blooming, height 4 feet. The pink and white flowers are extra large, some with fluted petals. Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 50c; 1/4 oz., 70c; 1/2 oz., \$1.00; 1 oz., \$1.50.

**PINK DOUBLE CRESTED BEAUTY.** Beautiful crown or crest in the center of the flowers which is a vivid pink color. Pkt., 10c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.50.

**DOUBLE CRESTED MIXED.** All shades of Double Crested Cosmos in mixture. Pkt., 10c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.50.

## Cypress Vine

A tender annual climber with finely cut leaves and small star-shaped scarlet flowers. Sow in April. Soak seed in warm water 6 hours before planting.

**RED CYPRESS VINE.** Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

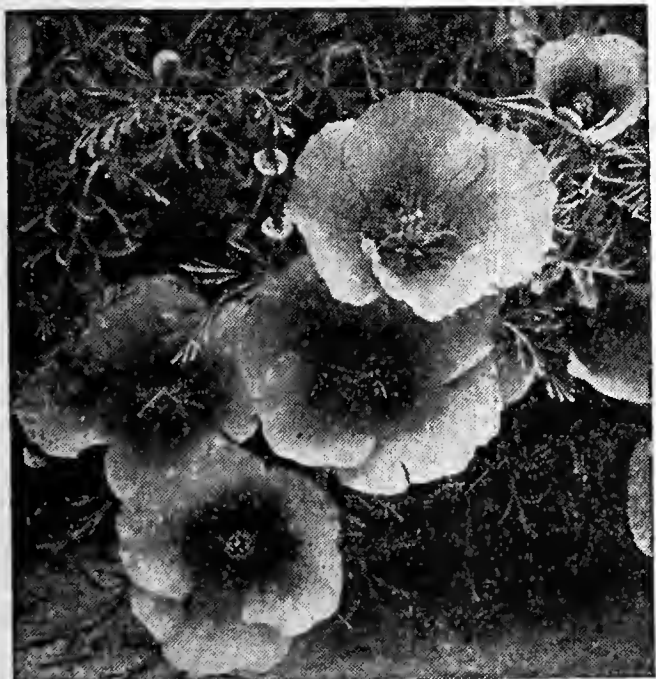
**MIXED CYPRESS VINE.** Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c.

## Cuphea, Firefly

Refer to page 24 for description. Pkt., 25c; 1/32 oz., 75c; 1/16 oz., \$1.25.

## Cynoglossum

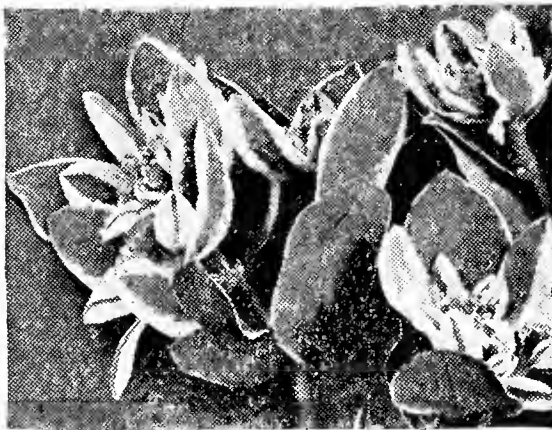
Also known as Chinese Forget-Me-Not. Free blooming; produces beautiful sprays of blue flowers all summer. Sow in April. Hardy annual, 2 feet high. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.



Eschscholtzia—California Poppy



Columbine



Euphorbia—Snow-on-the-Mountain

**AURANTIACA.** Deep orange shade.

**GOLDEN WEST.** Bright golden yellow.

**MANDARIN.** Clear light yellow.

Price above six varieties: Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**MIXED ESCHSCHOLTZIA.** All colors in a fine mixture. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 20c; oz., 30c.

## Euphorbia

Better known as Snow-on-the-Mountain. Very showy, of easy growth. The plant has bright green leaves and as the summer advances the edges of the leaves become white. They grow well in the sun and do not require any special rich soil. Hardy annual. Plant in March. Two feet in height, very attractive for beds. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

## Forget-Me-Not

Sow in early spring and transplant. Fine for shady or moist location. Half-hardy perennial, 8 inches in height. Pkt., 5c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.

## Foxglove

Hardy reseeding biennial, a popular favorite in old-fashioned gardens. Height 3 feet. Sow seed early in boxes and transplant.

**GLOXINIAEFLOA.** Purple. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

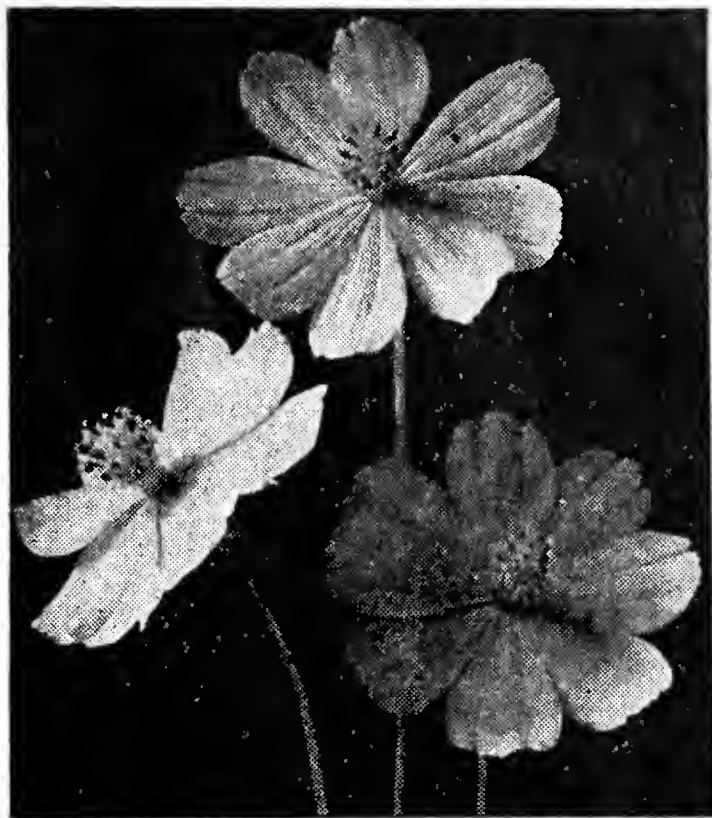
**SHIRLEY.** Hybrid, showy, spotted. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

**FINEST MIXED.** All colors in assortment. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 45c.

## Four O'clock

Hardy annual of easiest culture. Succeeds best in open situations. Sow seeds in March and April, thin to 12 inches.

**MIXED COLORS.** Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c.



Cosmos, Orange Flare

## Dahlias

Half-hardy perennial that will bloom the first season from seed. Sow early in boxes and transplant to open ground the middle of May.

**DOUBLE MIXED.** Pkt., 10c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.50.

**SINGLE MIXED.** Pkt., 5c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

**MIGNON DWARF MIXED.** Bush dwarf habit, 2 to 3 feet high. The single flowers are of beautiful shades, fine for cut flowers. Pkt., 10c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$2.00.

## Daisy

These perennials are easy to grow. Sow seed in fall or early spring and transplant where wanted, 6 to 8 inches apart.

**DOUBLE DAISY.** Mixed colors. Pkt., 10c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.00.

**SHASTA DAISY.** Large single white flowers with yellow centers; plants 2 1/2 feet high. Pkt., 10c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## Delphinium

Hardy perennial Larkspur. Sow in early spring and transplant 24 inches apart in a shaded location, fine for perennial beds. Add lime to soil for better results.

**BELLADONNA.** Perennial light blue Delphinium. Pkt., 10c; 1/4 oz., 40c; 1/2 oz., \$1.00; oz., \$1.25.

**BELLAMOSUM.** Perennial dark blue Delphinium. Pkt., 10c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.00.

**PERENNIAL MIXED DELPHINIUM.** Many colors in assortment. Pkt., 10c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## Eschscholtzia

The well-known California Poppy Annuals that bloom profusely in early summer, of easiest culture, which makes them valuable as a bedding plant; 1 foot in height. Sow seed in February and March where they are to remain.

**ROSE QUEEN.** Rich rosy pink.

**SALMON BEAUTY.** Beautiful salmon-pink

**THE GEISHA.** Orange and crimson.





Gomphrena, Globe Amaranth

## Gaillardia

Splendid showy annuals and perennials, remarkable for the profusion and brilliancy of their flowers; excellent for beds or cutting. Height 1½ to 2 feet.

**DAZZLER.** Perennial, maroon-red and yellow. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 70c.

**BURGUNDY.** Perennial, coppery scarlet. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.75.

**INDIAN CHIEF.** Annual, bronze red. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

**RED AND GOLD.** Annual red with gold margin. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; 1 oz., 50c.

**PICTA, DOUBLE CHOICE MIXED.** Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

## Gomphrena (Globe Amaranth)

Annual, 1½ feet in height. Showy everlasting flowers resemble clover heads and when dried are used for winter bouquets. Excellent for bedding.

**MIXED, ALL COLORS.** Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

**SEPARATE COLORS.** Pink, Red, Purple, Yellow. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

## Gourds

Ornamental annual climbing vine that will grow 10 to 16 feet in height. Excellent for covering walls, fences or waste places.

**MIXED.** All varieties. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

## Gypsophila (Baby's Breath)

Small graceful flowers, borne on long feathery stems. No flower adds more grace to a bouquet than this easily grown plant. Sow seed in March and April. Height 18 inches.

**WHITE BABY'S BREATH.** Covent Garden Strain. Annual, large flowering pure white, very showy. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**ROSEA.** Rose-pink, annual. Pkt., 5c; ¼ oz., 15c; ½ oz., 20c; oz., 35c.

**PERENNIAL WHITE.** Double pure white, hardy. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

## Helichrysum

The well-known Strawflower. The large glittering colors of double flowers make a fine display in beds or borders, but are especially grown to dry for winter use. For this they should be cut when about one-third open and with as long stems as possible, remove the foliage and tie in bunches, then hang up to dry. Height of plant 2 to 2½ feet. Sow seed in March and April. Thin to 12 inches.

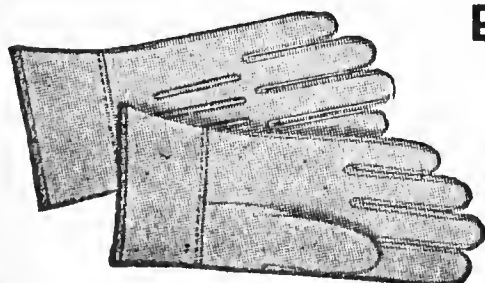
**MIXED.** All colors. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 45c.

**SEPARATE COLORS OF HELICHRYSUM.** Crimson, Pink, Purple, Yellow. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 60c.

## Heliotrope

This well-known greenhouse and bedding favorite is highly valued for their sweet scented blooms. Sow seeds early in boxes and transplant in May to open ground.

**MIXED COLORS.** Pkt., 10c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.50.



## Eezy Wear Napa Goat Gloves

A soft pliable goatskin glove, especially adapted for working in flowers, bulbs, and gardens, or when spraying trees or plants. These come in all sizes. Price, 75c a pair; by mail, 85c.

## Hollyhocks

Sow seed in early spring in boxes and transplant when 6 inches high, 2 feet apart. Plant in rich soil, water well if possible and they will grow 5 feet high. Hollyhocks make a fine background or a tall border; hardy biennial. The beautiful long spikes with their tissue paper-like flowers make a gorgeous display.

**DOUBLE MIXED.** A grand collection of all double Hollyhocks. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

**SINGLE MIXED.** Showy large flowers in a splendid mixture. Pkt., 5c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

**DOUBLE RED**

**DOUBLE YELLOW**

**DOUBLE PINK**

**DOUBLE WHITE**

Price above four separate colors Hollyhocks: Pkt., 10c; ¼ oz., 40c; ½ oz., 70c; oz., \$1.25.

**EVERBLOOMING ANNUAL HOLLYHOCKS.** These will bloom beautifully the first season when sown from seed. Mixed colors. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

## Hunnemannia

Plants grow 1½ feet high; for bedding or cut flowers, blooms large yellow, cup-shaped.

**SUNLITE.** Attractive annual, 1934 All American Selection. Semi-double canary-yellow. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 75c.

## Hyacinth Climbing Bean

An annual rapid climbing vine that attains a height of 10 to 16 feet; has purple seed, pods rosy, violet blooms.

**MIXED COLORS.** Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**DAYLIGHT HYACINTH BEAN.** Blossoms pure white, attractive. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.

## Ice Plant

Dwarf growing annual, 6 inches high. Excellent for hanging baskets, rockeries, etc. Starlike flowers with singular icy foliage. Pkt., 5c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

## Kochia (Mexican Fire Bush)

This is a showy annual and easy to grow. Plant in March or April. The plant forms a dense oval bush 2 to 4 feet in height with light green foliage, changing to carmine as the summer advances. Pkt., 5c; ¼ oz., 15c; ½ oz., 20c; oz., 35c.

## Kudzu Vine

Called by some Jack-and-the-Bean-Stalk Vine. Hardy perennial that grows for many seasons, getting larger and larger each year. Forms a dense shade for porches, arbor walls and is also used for growing in gullies to avoid erosion of the soil. Easily grown from seed. Pkt., 10c; ¼ oz., 15c; ½ oz., 25c; oz., 45c.

## Lantana

Tender perennial. The flowers have verbena-like heads, embracing every shade of pink, purple, orange and white. Height about 2 feet. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 70c.

## Lobelia

Tender annual growing plants, 6 to 8 inches in height. Splendid for baskets or boxes. Sow early indoors and transplant where wanted. Mixed colors. Pkt., 5c; ¼ oz., 25c; ½ oz., 40c; oz., 70c.

## Lupin

Excellent for cutting, beds or border. Easily grown annuals that give a splendid effect.

**ANNUAL MIXED COLORS.** Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**TEXAS BLUE BONNET.** Native light blue flowers, very pretty. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.

**PERENNIAL LUPIN.** Blue, white and pink shades; handsome, hardy variety. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c; oz., 90c.



Annual Hollyhock



Helichrysum



## Linum (Scarlet Flax)

A very attractive annual, growing 8 to 10 inches high. Flowers rich crimson, bloom until frost. Plant in a sunny location. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.

## Larkspur

Free flowering annuals, easy to grow; effective for beds or massing and will make fine cutting material. The new colors in Larkspur are beautiful to behold. Sow seed in February or March. Thin to a foot apart. Plants 2½ to 3 feet tall.

Larkspur will thrive in almost any soil. They should be planted in an open situation.

**GIANT IMPERIAL LARKSPUR.** Double flowers on very long stems, upright growth.

**Blue Bell.** Clear azure-blue. Pkt., 10c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.50.

**Blue Spire.** Very deep violet-blue. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**Carmine King.** New deep carmine-rose. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**Exquisite Pink.** Soft pink, shaded salmon. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**Lilac Spire.** Deep lilac, very showy. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**Miss California.** Deep rose on salmon. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

**DOUBLE STOCK-FLOWERED LARKSPUR.** Branching habit, very double flowers on long stems.

**La France.** Bright pink, large blooms. Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; 1 oz., \$1.00.

**Los Angeles.** New salmon-pink, very desirable. Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

**Rosamond.** Double pure bright rose. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; 1 oz., 75c.

**Dark Blue.** Rich, very dark blue shade.

**Sky Blue.** Bright clear blue.

**Shell-Pink.** Clear rich pink, showy.

**Deep Scarlet.** Deep rosy scarlet shade.

**Double White.** Pure clear white.

Price above five colors, each: Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 50c.

**DOUBLE STOCK-FLOWERED MIXED.** Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

## Marigold

No flower stands more hard use in the hottest weather than the Marigold. It will continue to bloom profusely. Sow as soon as the ground is warm, thin to 18 inches. Tender annual. The Marigold comes in dwarf and tall varieties. The new and improved kinds are much superior to the old small-flowered varieties. The Marigold is excellent for cut flowers, beds or massing, and succeeds splendidly all over the South.

**CROWN OF GOLD.** The 1937 All American Gold Medal Winner. This unusual Marigold is a thing of beauty. The Chrysanthemum top is surrounded by a collar of big broad petals of deep bright golden orange. The crown is the same color. The large flowers are entirely odorless, delightfully sweet scented plants. Grows 2 feet tall. Blooms early and continuously all summer and fall. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25; 1 oz., \$2.00.

**DIXIE SUNSHINE.** Award of Merit 1936 All American Selection. One of the finest nearly odorless Marigolds; 100 per cent double, late, full chrysanthemum-flowered, 2½ inches across and free blooming. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c; ¾ oz., 75c; oz., \$1.25.

**GIGANTEA SUNSET GIANTS.** One of the largest in the Marigold family, flowers average 5 inches across, ranging in color from deep orange to lemon-yellow and will come 65 per cent double; sweetly scented, almost odorless. Blooms early and plant will average 3 feet in height. Pkt., 15c; 2 pkts., 25c; ¼ oz., 60c; ½ oz., \$1.00; ¾ oz., \$1.50; oz., \$2.25.

**GUINEA GOLD.** A distinct type of Marigold of graceful pyramidal habit, grows 2 feet high. Flowers semi-double, 2 inches across with wavy petals of brilliant shade of orange and gold. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**YELLOW SUPREME.** Very vigorous and free blooming. A beautiful clear, canary-yellow flower, which is 3 to 4 inches across. Flowers almost odorless, slightly fragrant. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

**NEW DOUBLE HARMONY.** See page 24 for description. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c.

**LEMON QUEEN.** Double tall African type, large clear lemon-yellow flowers. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c; oz., 80c.

**PRINCE OF ORANGE.** Stiff stemmed, large African Marigold, deep orange in color. Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**TALL AFRICAN MIXED.** 30 inches. A mixture of all tall African double varieties. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

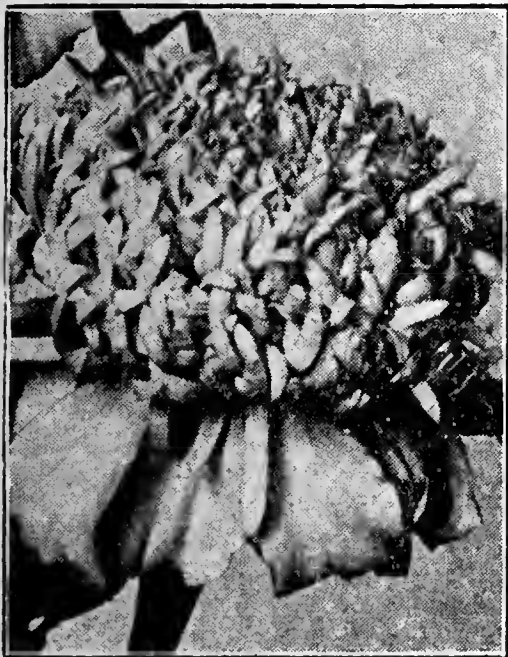
**TALL FRENCH MIXED.** This class has compact firm blooms, all colors mixed. Plant grows 24 inches high. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

**DWARF AFRICAN.** Plants compact, 18 to 24 inches in height, mixed all colors. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

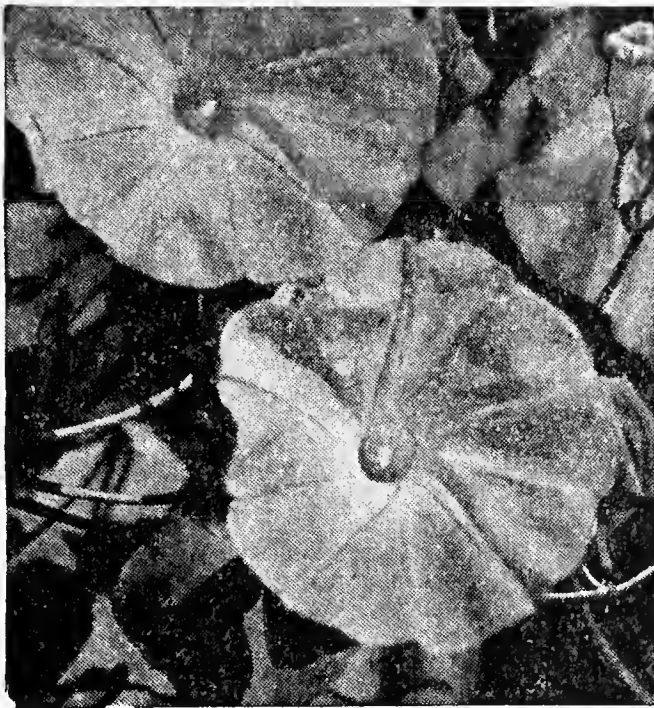
**DWARF FRENCH.** Splendid for borders, plants compact, 15 to 18 inches high, free blooming. Mixed all colors. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

**MEXICAN DWARF ORANGE.** Has beautiful ball-shaped all orange flowers. Plants compact, 12 to 15 inches high. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

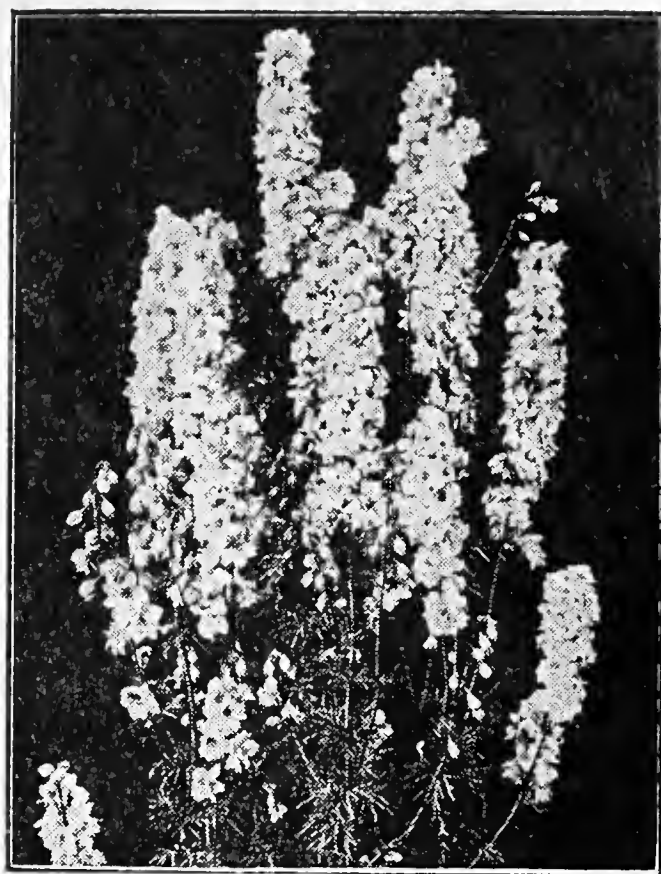
**SIGNATA PUMILA.** Ideal for edging; have bright starlike golden yellow blossoms with finely cut foliage. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.



Crown of Gold Marigold



Morning Glory, Clark's Blue



Larkspur, Blue Bell

## Mignonette

A well-known hardy annual with very fragrant cone-shaped flower spikes. Plant grows 15 to 18 inches high. Sow in March. **SWEET MIGNONETTE.** Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

## Moonflower

Splendid rapid-growing climbers with large brightly colored blooms. Seed should be filed or cut, then soaked in warm water to get good germination. Moonflowers grow to a height of 20 to 30 feet in a season. Hardy annual. Plant when ground is warm.

**WHITE MOONFLOWER.** Flowers large, pure white and bloom evenings; of vigorous growth. Pkt., 10c; ¼ oz., 15c; ½ oz., 25c; oz., 45c.

**BONA NOX.** Violet flowers, very showy. Pkt., 10c; ¼ oz., 15c; ½ oz., 20c; oz., 35c.

**HEAVENLY BLUE MOONFLOWER.** Flowers large, sky blue with white throat. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

## Morning Glory

Fine for covering a trellis or back fence. They grow quickly 15 feet or more. Soak seed 6 hours, then plant in April and May.

**CLARKE'S BLUE.** An exceptionally fine very early, tall-growing variety; produces a mass of large beautiful light blue flowers 2½ to 4 inches across. A continuous bloomer. You will be delighted with this splendid Morning Glory. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

**JAPANESE MIXED.** Of vigorous growth, flowers fringed, very large, in all beautiful shades. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

**CHOICE MIXED.** Flowers bell-shaped, in many colors. Pkt., 5c; ½ oz., 10c; oz., 15c.

## Nasturtiums

These succeed best in poor gravelly soil. Plant early in March, thin to 6 inches apart. Half-hardy annual.

The new semi-double sweet-scented varieties have been the sensation of the flower world in the past few years.

**DOUBLE GOLDEN GLEAM.** Semi-trailing, golden yellow colored, very fragrant. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.00.

**DOUBLE GOLDEN GLOBE.** Very dwarf and double, plants compact, flowers large and borne well above the foliage, deep yellow in color, sweet scented. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 60c; 1 lb., \$2.00.

**DOUBLE MOON GLEAM.** Double very light cream, sweet-scented; a beautiful shade, plants compact and dwarf. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 35c; ¼ lb., 50c; 1 lb., \$1.50.

**DOUBLE SALMON GLEAM.** Delicate golden salmon shade, fragrant, produced on dwarf compact bushes. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., \$1.50.

**DOUBLE SCARLET GLEAM.** Double, sweet scented, fiery orange-scarlet. Plant semi-trailing. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; 1 lb., \$1.00.

**DOUBLE ORANGE GLEAM.** Another sweet-scented dwarf double Nasturtium, deep orange. Plant compact and bushy. Pkt., 10c; ½ oz., 15c; 1 oz., 25c; 2 ozs., 40c; ¼ lb., 60c.

**GLORIOUS GLEAM HYBRIDS.** Double semi-tall. A mixture of many gorgeous flowers on long stems, sweet scented. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; 1 lb., \$1.00.

**DWARF MIXED NASTURTIIUM.** All dwarf varieties in a fine combination of colors, fine for borders or beds. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 70c.

**TALL OR TRAILING MIXED NASTURTIIUMS.** Excellent for trellises or hanging baskets, etc. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1 lb., 70c.



## Nemesia

**BABY BLUE EYES.** Annuals. 7 inches high.  $\frac{1}{4}$  oz., 15c;  $\frac{1}{2}$  oz., 25c; oz., 45c.

## Nicotiana

Annual, 2 feet in height. Flowers the first season, adapted to almost any situation.

**MIXED COLORS.** Pkt., 5c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c.

**AFFINIS, WHITE.** Pkt., 10c;  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c.

## Nierembergia Hippomanica

Dwarf cup flower. See page 24 for description. Pkt., 50c; 3 pkts., \$1.25.

## Pansies

Sow seed indoors very early in spring or outdoors later in the open ground. Transplant when an inch high. Early spring plants will give you fine blooms.

Pansies are best adapted to partly shaded locations, have soil rich to get large blooms, and keep well watered. Tender perennials, 6 inches high.

**ROGLI GIANT MIXED PANSIES.** New hybrids that have created quite a sensation among Pansy growers and are very much in demand for florists' use. The plant is robust. The flowers are very large and borne on long strong stems and come in a large assortment of colors. Blooms measure 2 to 3 inches across. Mixed. Pkt., 25c;  $\frac{1}{16}$  oz., \$1.00;  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$2.50; oz., \$4.50.

**OVERTON PARK PANSIES.** In our own parks in Memphis you will see this splendid variety in bloom. Flowers very large in many new high colors that are striking and beautiful. This mixture contains only the large flowering sorts in the most brilliant colorings mixed. Pkt., 15c;  $\frac{1}{16}$  oz., 75c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50; oz., \$4.00.

**GIANT FLOWERING MIXED.** A grand mixture of fine large flowering varieties, producing large showy blooms. Pkt., 10c;  $\frac{1}{16}$  oz., 35c;  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.00.

**CHOICE MIXED.** Valuable for bedding where size is not of most importance; contains many fine colors in mixture. Pkt., 5c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 60c; oz., \$1.00.

## Swiss Giant Pansies in Separate Colors

**CARDINAL RED.** Striking and attractive shades of cardinal and red. Pkt., 10c;  $\frac{1}{16}$  oz., 60c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.75; oz., \$6.00.

**BERNA.** Very dark, rich deep purple. Pkt., 10c;  $\frac{1}{16}$  oz., 50c;  $\frac{1}{8}$  oz., 80c;  $\frac{1}{4}$  oz., \$1.50; oz., \$5.00.

**GOLDEN DREAM.** Pure bright golden yellow. Pkt., 10c;  $\frac{1}{16}$  oz., 60c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.50; oz., \$5.00.

## Petunias

There is no flower more highly prized for use in beds, massing, borders, window boxes, baskets and vases; easily grown, as they succeed in almost any soil and produce fragrant blossoms no matter how hot it gets the entire season. Sow thinly in March or April and do not cover seed very deep. Sow on top of soil and merely press them in with the back of the hoe or spade. Water after seedlings come up.

**PETUNIA HYBRIDA.** These grow  $1\frac{1}{2}$  to 2 feet tall and form bushy plants for borders, beds or massing.

**BLUE BEE.** Deep velvet-violet-blue. Pkt., 10c;  $\frac{1}{8}$  oz., 30c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.00.

**BURGUNDY.** See page 24 for description. Pkt., 25c.

**COUNTESS OF ELLESMERE.** Dark pink with white throat. Pkt., 10c;  $\frac{1}{8}$  oz., 30c;  $\frac{1}{4}$  oz., 50c;  $\frac{1}{2}$  oz., 90c.

**FLAMING VELVET.** Velvety rich blood-red, semi-dwarf, very beautiful. All American Gold Medal in 1936. Pkt., 10c;  $\frac{1}{8}$  oz., 60c;  $\frac{1}{4}$  oz., \$1.00;  $\frac{1}{2}$  oz., \$1.50.

**GENERAL DODDS.** Single, large ox-blood-red blooms; flowers all summer, fine for bedding. Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c; oz., \$1.25.

**HOWARD'S STAR.** Crimson-maroon with defined star of blushing white. Pkt., 10c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50.

**PURE WHITE.** A beautiful snow-white flower; distinct, very showy. Pkt., 10c;  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.00.

**STRIPED AND BLOTCHED.** Beautiful blotched and striped flowers that make a grand display of many colors. Pkt., 10c;  $\frac{1}{8}$  oz., 40c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., 90c.

**VIOLET-PURPLE.** A fine mid-blue color; blooms large and of a lovely form. Pkt., 10c;  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25.

**GIANT FLOWERING MIXED.** Hybrid type with very large single bold flowers in a wide range of colors that attract attention all summer. Pkt., 10c;  $\frac{1}{8}$  oz., 40c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.50.

**CHOICE MIXED.** Fine for bedding, gives a mass of beautiful single flowers in all colors. Pkt., 5c;  $\frac{1}{8}$  oz., 20c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 50c; oz., 75c.

## Nana Compacta

(Dwarf Petunias)

These grow erect and bushy, 10 to 12 inches high. Most desirable for borders and beds; bright single flowers.

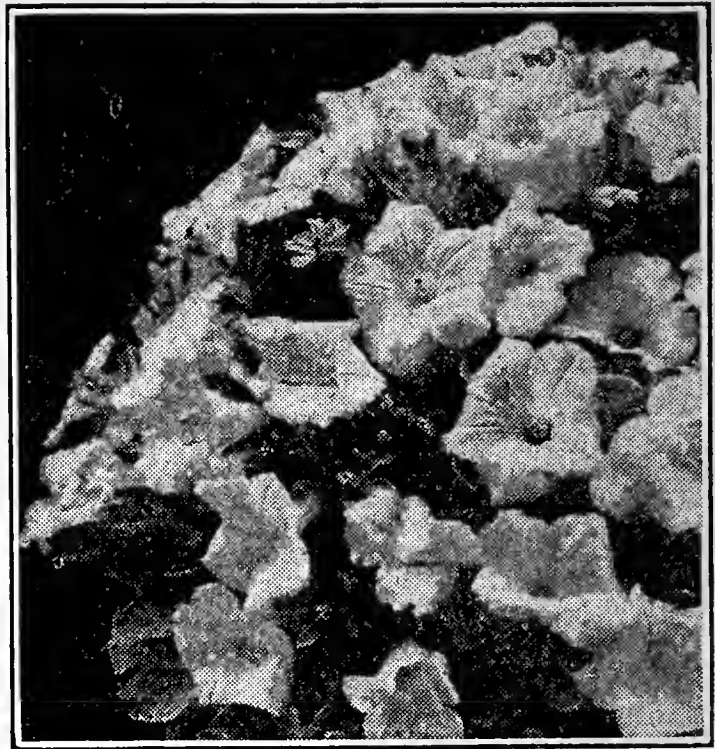
**BLUE BEDDER.** Rich royal blue, a beautiful attractive shade. Pkt., 10c;  $\frac{1}{16}$  oz., 40c;  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.50.

**DWARF WHITE.** Compact, bushy plants with snow-white flowers. Pkt., 10c;  $\frac{1}{16}$  oz., 40c;  $\frac{1}{8}$  oz., 75c;  $\frac{1}{4}$  oz., \$1.25.

**PINK GEM.** Height 8 inches. Light pink, dwarf and compact. Pkt., 10c;  $\frac{1}{16}$  oz., 50c;  $\frac{1}{8}$  oz., 75c;  $\frac{1}{4}$  oz., \$1.00.

**ROSE GEM.** Brightest deep clear pink, a beautiful shade. Pkt., 25c;  $\frac{1}{32}$  oz., \$1.50.

**ROSE OF HEAVEN.** Brilliant rose-pink, a slightly darker shade than Rosy Morn. Pkt., 10c;  $\frac{1}{8}$  oz., 45c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25.



Rose of Heaven Petunia

**ROSY MORN.** Height 12 inches. Clear pink with a broad white throat. Pkt., 10c;  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25.

**SILVER BLUE.** Steel-blue flowers on a dwarf bushy plant. Pkt., 10c;  $\frac{1}{16}$  oz., 75c;  $\frac{1}{8}$  oz., \$1.25;  $\frac{1}{4}$  oz., \$2.00.

**MIXED COMPACTA DWARF PETUNIA.** All shades and colors of the dwarf Petunias in mixture. Pkt., 10c;  $\frac{1}{16}$  oz., 25c;  $\frac{1}{8}$  oz., 40c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.00.

## Large Flowering Petunias

**PURPLE BEAUTY.** A large flower, beautifully fringed or frilled; of a rich royal purple. This is the best fringed royal purple-blue Petunia. Pkt., 100 seeds, 35c;  $\frac{1}{16}$  oz., \$5.00.

**GIANTS OF CALIFORNIA.** Fringed and ruffled, single flowers of large size in a beautiful range of colors. Height 18 inches. Pkt., 100 seeds, 25c;  $\frac{1}{16}$  oz., \$3.00.

**DWARF GIANTS OF CALIFORNIA.** Very compact, erect, bushy plants, with large, fringed, single beautifully colored blossoms, in mixed colors. Pkt., 100 seeds, 35c;  $\frac{1}{16}$  oz., \$4.00.

**DOUBLE DWARF VICTORIOUS.** See page 24 for description. Pkt., 50c.

**FLUFFY RUFFLES.** Extra choice, large single fringed flowers, blush-pink, veined darker pink. Pkt., 100 seeds, 25c;  $\frac{1}{16}$  oz., \$5.00.

**DOUBLE LARGE FLOWERING.** A mixture of double varieties, enormous in size, and of marvelous beauty. Height 14 inches. Pkt., 100 seeds, 25c.

## Balcony Petunia

Single, large flowering type. Plant has a trailing habit, especially adapted for porch boxes, baskets and urns.

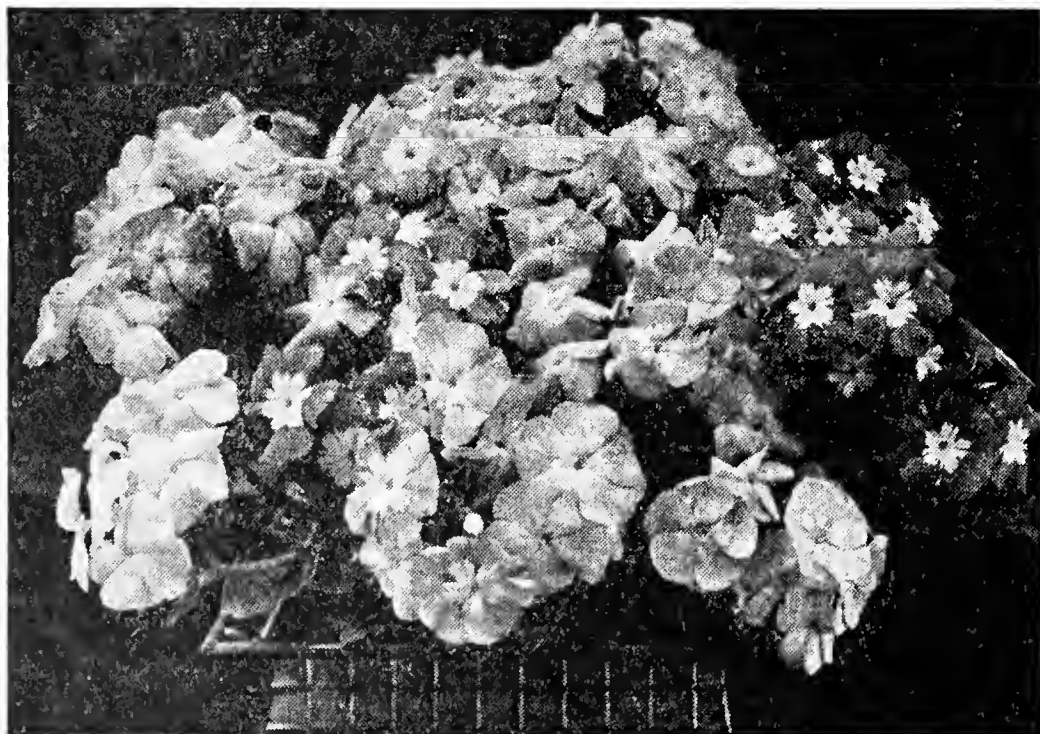
**BALCONY BLUE.** Rich violet-blue.

**BALCONY RED.** Showy bright crimson.

**BALCONY ROSE.** Clear rose-pink.

**BALCONY WHITE.** Beautiful clear white.

**BALCONY MIXED.** All colors in mixture. Prices above five varieties Balcony Petunia: Pkt., 15c; 2 pkts., 25c;  $\frac{1}{16}$  oz., \$1.50.

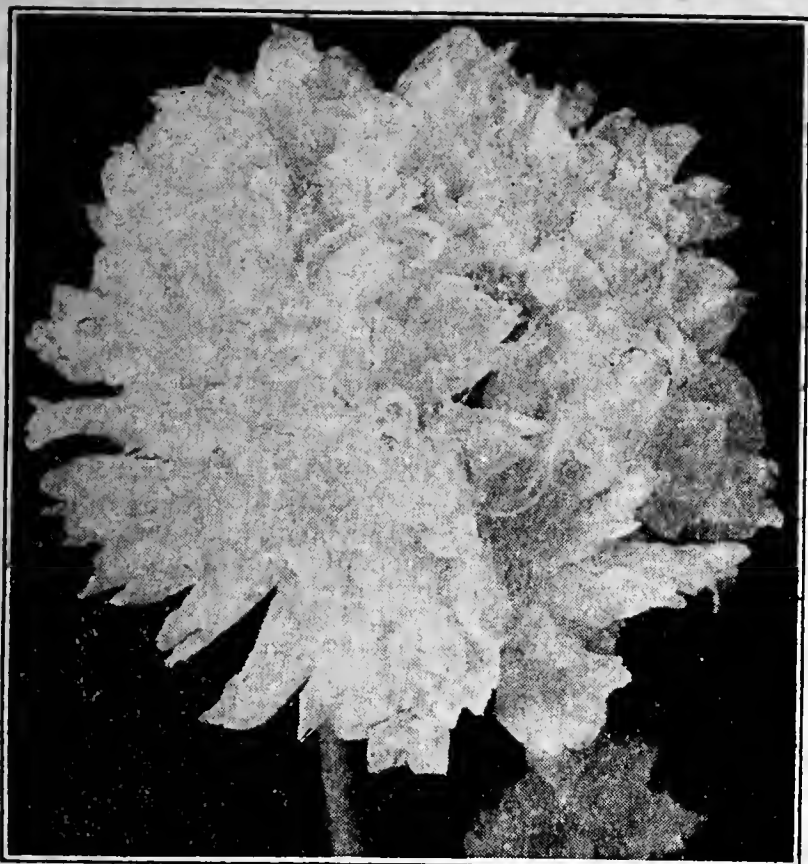


Dwarf Phlox, Nana Compacta



Overton Park Pansies





Peony-Flowered Poppy

## Phlox Drummondii

This is one of the prettiest annuals, of easy culture and should be in every garden. Remarkable for its blooming qualities. Plant is vigorous and blooms all summer. The rich and beautiful colors produce an elegant effect in beds or borders.

## Phlox Grandiflora

Grow 15 to 18 inches high; fine for cutting.

**FIREBALL.** Flowers large, blood-red. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c.

**SNOWBALL.** Large clear, snow-white. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c.

**STAR OF QUEDLINBURG.** The curiously pointed petals have a starlike form, novel and very beautiful. Mixed colors. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c.

**GIGANTEA ART SHADES.** A new strain in pastel colorings with flower 1 1/4 to 1 1/2 inches in diameter. In addition to its enormous flowers it has a most wonderful range of soft colors blended together, making a most beautiful mixture and color combination never before seen in an annual Phlox. Pkt., 10c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.00; oz., \$1.50.

**MAMMOTH FLOWERING PHLOX.** Splendid large flowers in a beautiful mixture. Height 15 inches. Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 45c; 1/2 oz., 75c; oz., \$1.25.

**CHOICE MIXED.** All annual varieties mixed colors. Pkt., 5c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.

## Dwarf Phlox

(Nana Compacta)

Very dwarf growth, fine for edging borders or beds. Annual, 8-inches in height.

**PURPLE SCARLET**  
**SALMON-SCARLET** **WHITE**  
**YELLOW** **MIXED**

Price any above six varieties of Dwarf Phlox: Pkt., 10c; 1/16 oz., 40c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1/2 oz., \$1.50.

## Perennial Phlox

Mixed colors. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25.



Portulaca—Rose Moss

## Pinks (Dianthus)

These are hardy and half-hardy perennials and biennials, but nearly all bloom the first season from seed. Sow in April and May, thin to 6 inches.

**CHINA DOUBLE.** Popular Indian-pink double flowers in mixed colors. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

**DIADEM DOUBLE.** Diadematus double, mixed colors. Pkt., 5c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 70c.

**DOUBLE HEDDEWIGI.** Japan pink double; a gorgeous mixture. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

**CLOVE PINK** (Dianthus plumarius). Free blooming, has spicy odor, mixed colors. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 90c.

**PHEASANT'S EYE.** Hardy garden pink, mixed colors. Pkt., 10c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**SWEET WIVELSFIELD.** Blooms the first season from seed if planted early. Mixed colors. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.00.

## Poppies

Sow them early, since they stand frost. February is none too soon. Sow them where they are to bloom as they will not admit transplanting. Successive sowings should be made to have a continuous bloom. Mix seed with ashes or sand so as to separate well, then thin to 6 inches. Hardy annual, 18 to 20 inches high.

**DOUBLE CARDINAL.** Very large, daintily fringed, full and double. Mixed colors. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

**CARNATION FLOWERED.** Large flowering with fringed petals and many stripes; double. Mixed colors. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c.

**ELDORADO.** Very large showy, double, broad, full flowers. Mixed colors. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**FLANDERS POPPY.** Dwarf orange-scarlet with blue base. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 50c.

**PEONY FLOWERED POPPY.** Double ball-shaped flowers with plain edges, mixed colors. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c.

**SALMON ROSE.** Large fringed flowers, measuring 5 inches across, ranging from brilliant rose to salmon-rose with very large white center. Double flowers. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 50c.

**RANUNCULUS FLOWERED POPPY.** Double flowers in a wide range of most beautiful colors. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 20c; oz., 35c.

**DOUBLE PINK POPPY.** Salmon-pink. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

**DOUBLE RED POPPY.** Rich scarlet. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

**DOUBLE FINE MIXED COLORS.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 20c; oz., 25c.

## SHIRLEY POPPY

These have beautiful satiny flowers of various colors, all with white centers. Also called the Silk or Ghost Poppy. The foliage is heavy and finely cut.

**SINGLE SHIRLEY POPPY.** Mixed colors. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**DOUBLE SHIRLEY POPPY.** Mixed colors. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

## PERENNIAL POPPIES

Sow February to July. Some will bloom the first year from seed.

**ICELAND MIXED.**

**SUNBEAM.** Single mixed.

**ORIENTAL SCARLET, ORIENTAL HYBRIDS MIXED.**

Prices of above Perennial Poppies, each: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 75c.

## Snapdragon

See Antirrhinums, page 25, for list and prices.

## Portulaca

Also known as Rose Moss. Annual. Six inches in height. Thrives in open places and will stand the hottest weather. Suitable for borders or edging. They bloom until frost. Sow in March or April.

**SINGLE MIXED.** All colors. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

**DOUBLE MIXED.** Most brilliant colors. Pkt., 10c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.50.

## Pyrethrum

Hardy perennial, with daisy-like flowers of bright colors. Sow in March and April. Transplant as needed. Choice double mixed colors. Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.

## Salvia or Scarlet Sage

A hardy annual that blooms the first season from seed. Well-known bedding plants with long flaming spikes of brilliant scarlet flowers. Easy to grow from seed and will thrive in any good soil and sunny situation. Blooms the whole season, beginning about August 1st. Sow seed in boxes and transplant or sow outdoors in May; thin plants to 8 inches.

**CLARA BEDMANS.** Rich brilliant scarlet. 8 inches. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25.

**SPLENDENS** (Scarlet Sage). The standard good variety, dependable. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00.

**ZURICH.** Very compact and dwarf plants. 16 inches in height. Deep crimson. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., \$1.00; 1/2 oz., \$1.50.

**PATENS.** Intense blue, free bloomer, lovely plants, 3 feet high. Pkt., 15c; 1/8 oz., 50c; 1/4 oz., 90c; 1/2 oz., \$1.50.

## Salpiglossis

Easily grown, showy annual, 24 inches high. Flowers funnel-shaped, mottled veined and self-colored. Requires good soil; good cut flowers. Sow in April, thin to 6 inches. Commonly known as Painted Tongue.

**MIXED COLORS.** Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 60c; 1/2 oz., \$1.00.

## Scabiosa

(Pincushion Flower)

Growth 2 1/2 feet in height; excellent for cutting. Blooms early in July. Sow seed in March, thin plants to 8 inches. Annual.

**MIXED COLORS.** Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 50c.

**GIANT HYBRID SCABIOSA.** Isaac House Strain. Hardy perennial; fine for borders or cutting. Mixed colors. Pkt., 10c; 1/16 oz., 50c; 1/8 oz., 75c; 1/4 oz., \$1.25.

## Scarlet Runner Vine

Ornamental and useful climbing Bean. Will climb 20 to 25 feet in a season; has scarlet blooms. Sow in April 6 inches apart, 3 inches deep. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; lb., 60c.

## Sensitive Plant

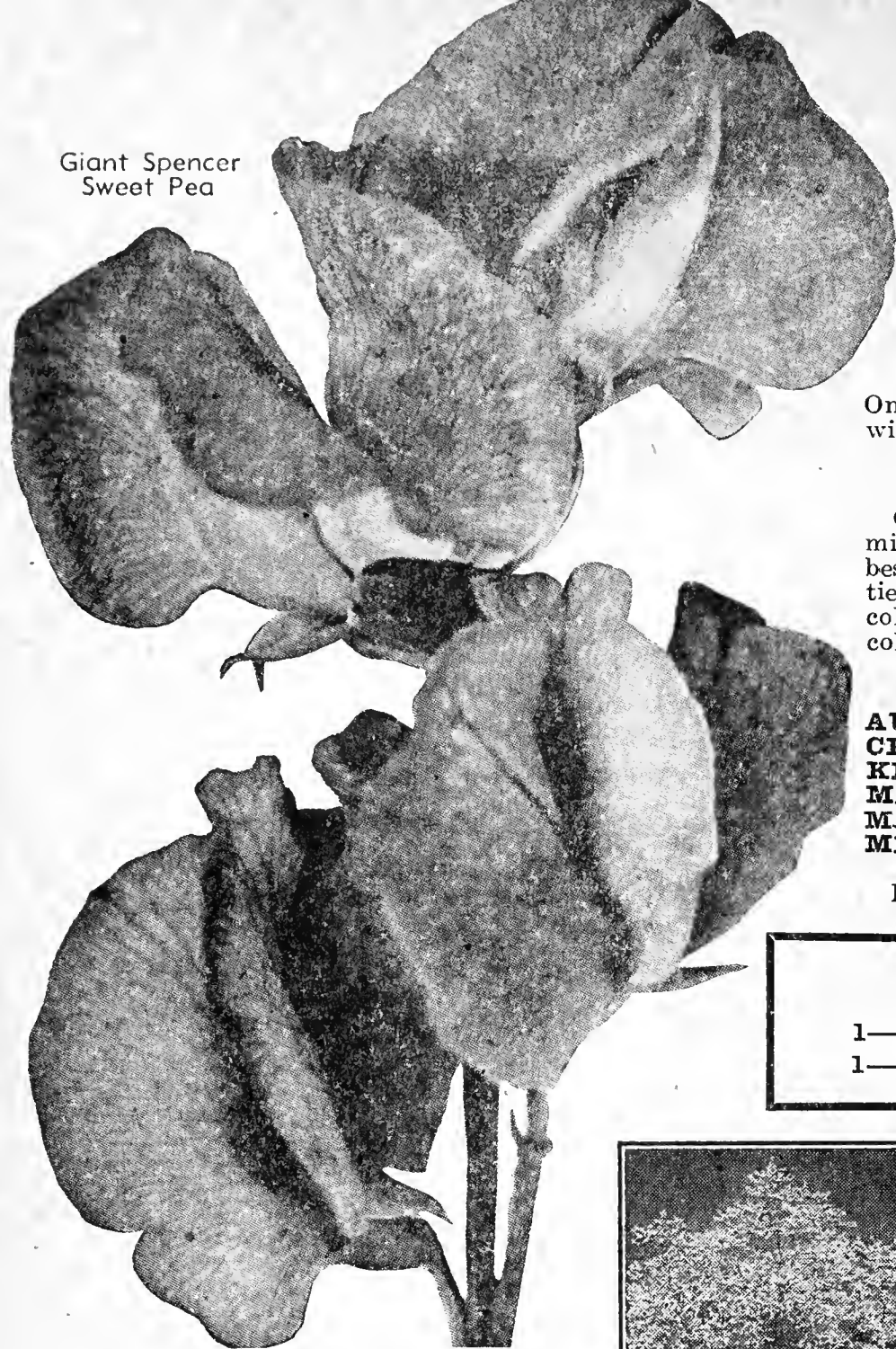
Prostrate plant with pretty pinnate leaves that droop when touched. Pink flowers. Plants grow 2 feet high. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.



Salvia or Scarlet Sage



Giant Spencer  
Sweet Pea



### Statice

An easily grown annual. They prefer an open situation. Sow in March or April, transplant 12 inches apart. Height 3 feet. Statice is not only good for borders but makes an excellent everlasting flower for making winter bouquets.

**MIXED COLORS.** Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c.

**STATICE IN SEPARATE COLORS.** Yellow, blue, rose, and white. Price of 4 varieties of separate color Statice: Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

### Stocks

Half-hardy annual; better known as Gilly Flower. Sow seed indoors and transplant in April and May in a cool situation. Stocks are good for bedding, borders, pot culture or bouquets. Stocks will come about 60 per cent double from seed.

**LARGE FLOWERING TEN WEEKS.** Splendid colors, double branching. Mixed colors. Pkt., 10c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**DOUBLE PERFECTION.** Extra large, exceedingly handsome, 18 inches, flowers very double with long spikes; very fragrant. Mixed colors. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; 1 oz., \$1.50.

**VIRGINIA STOCKS.** Pretty annuals. 6 inches high. Mixed colors. Pkt., 10c; 1/4 oz., 15c; 1/2 oz., 20c; 1 oz., 30c.

### Mixtures of Flower Seeds

The following mixtures are specially prepared to meet your special needs. They adapt themselves to every garden. Sow them anywhere; they will fill in places which otherwise would grow up in weeds. You will be delighted with the many varieties and many colors these mixtures will give. Sow all in March, covering one-half inch and mix the seed with sand or ashes to scatter or separate seed when sowing. This will prevent crowding or getting plants too thick.

**CUT FLOWER MIXTURE.** This is a mixture of all varieties that are best adapted for cut flowers in a wide range of colors. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 60c; 1 lb., \$2.00, postpaid.

**EVERLASTING FLOWER MIXTURE.** An assortment of all the everlasting flowers in a splendid mixture. You will find this novel and very interesting. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 60c; 1 lb., \$2.00, postpaid.

**CALIFORNIA NATIVE FLOWERS.** This mixture is quite distinct, since it contains all the native varieties of annual flowers in mixture that are grown in California. They do equally as well in the South. Pkt., 5c; 1/4 oz., 10c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25, postpaid.

**WILD FLOWER GARDEN MIXTURE.** A haphazard mixture—not a tame garden of wild flowers but a wild garden of tame flowers. Contains all the annual varieties that will give a continuous bloom all summer long. Pkt., 5c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

# R.-H. Co.'s Sweet Peas

Some time in early January prepare a good seed bed, using sand to keep ground from packing. Mix Bone Meal with the soil, 10 lbs. to 200 feet of row. Plant in January or February as soon as conditions permit.

The ground should be worked or dug to a depth of 6 inches to 1 foot, then leave a hollow 3 inches deep for a seed bed. Cover seed two inches deep. After plants appear, work soil to them and apply a little Nitrate of Soda, six inches from the plant.

Some support should be furnished, such as strings, brush or wires, etc. When plants are 5 inches high, nip out the center to encourage branching. One ounce of seed will sow 10 feet of drill. Keep blooms picked daily and they will flower longer when the seed pods are kept from forming.

## R. H. Co.'s Superb Giant Mixed Spencers

Our own selection of the finest varieties and colors. The different sorts in this mixture are raised separately and our grower mixes and blends them to get the best effects. This mixture embraces the finest Spencers, including many novelties, and will produce a great abundance of Giant flowers in many beautiful colors, including mottled, striped, blended and flaked, in addition to all solid colors. Pkt., 5c; oz., 15c; 2 ozs., 25c; 1/4 lb., 40c; 1/2 lb., 70c; 1 lb., \$1.25, postpaid.

### Named Giant Spencer Sweet Peas

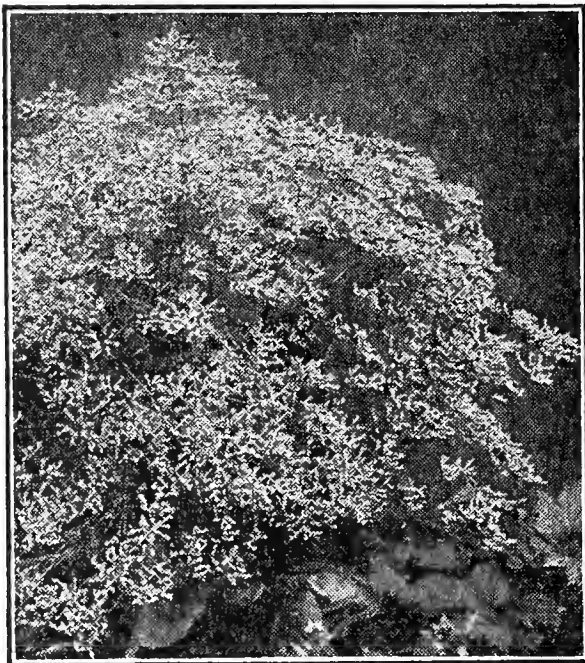
**AUSTIN FREDERICK.** Pure lavender. **BONNY BRIAR.** Deep pink.  
**CHIEFTAIN.** Deep mauve. **MRS. TOM JONES.** Rich blue.  
**KING WHITE.** Large white. **OLYMPIA.** Dark purple.  
**MARY PICKFORD.** Rich pink. **PINKIE.** Rose-pink.  
**MASTER CREAM.** Creamy yellow. **RED BOY.** Deep crimson.  
**MISS CALIFORNIA.** Deep pink. **ROSABELLA.** Giant rose.

Price, above Spencer Sweet Peas:

Pkt., 10c; oz., 20c; 2 ozs., 35c; 1/4 lb., 60c; 1/2 lb., \$1.00; 1 lb., \$1.75, postpaid.

### SPECIAL OFFER

1—10-cent packet each of the above 12 varieties for 60c, postpaid  
1—25-cent packet each of the above 12 varieties for \$1.25, postpaid



Statice

### Early Flowering Spencer Sweet Peas

A new race of Sweet Peas that bloom three weeks earlier than the standard Spencers. They have large, waved flowers on long stems, very easy to grow and are very satisfactory.

**EARLY FLOWERING MIXED SPENCERS.**

Pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 ozs., 60c; 1/4 lb., \$1.00; 1/2 lb., \$1.75; 1 lb., \$3.25, postpaid.

### Named Early Flowering Spencers

**EARLY AMERICAN BEAUTY.** Pink.  
**EARLY BLUE BIRD.** Blue.  
**EARLY FORTY NINER.** Orange.  
**EARLY HARMONY.** Lavender.  
**EARLY QUEEN.** Crimson-red.  
**EARLY WHITE HARMONY.** White.

Price, above 6 varieties Early Flowering Spencers:

Pkt., 15c; 1/2 oz., 30c; oz., 45c; 2 ozs., 75c; 1/4 lb., \$1.25; 1/2 lb., \$2.25; 1 lb., \$4.00, postpaid.

### Two New Early Flowering Spencer Sweet Peas

**EARLY FLOWERING SHIRLEY TEMPLE.** Solid rose-pink, daintily frilled, colossal flowers. Early flowering with long stems.

**EARLY FLOWERING MOTHER MACHREE.** A beautiful blend of coral and gold, large and perfectly formed.

Price, above two new Early Flowering Spencers:

Pkt., 15c; 1/2 oz., 35c; oz., 50c; 2 ozs., 90c; 1/4 lb., \$1.50; 1/2 lb., \$2.50; 1 lb., \$4.50, postpaid.

### Large Flowering Grandiflora Sweet Peas

This is the old type of this popular flower. The blossoms are not as large as Spencers but they bloom better and longer; very fragrant. Pkt., 5c; oz., 10c; 2 ozs., 15c; 1/4 lb., 25c; 1/2 lb., 45c; 1 lb., 75c, postpaid.

### Perennial or Everlasting Sweet Peas

Soak seed overnight. Plant 3 inches deep in February or March. These bloom pretty near the whole season. They are not fragrant but are valued on account of their continued blooming qualities.

**MIXED PERENNIAL SWEET PEAS.** Pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 ozs., 75c, postpaid.

### Spencer Sweet Pea Collection

10—10-cent packets—each one different—our selection of Spencer Sweet Peas. Regular value \$1.00—

Postpaid  
For Only **50¢**

### Inoculate Sweet Peas

If you want large blossoms and more of them, inoculate the seed before planting. Directions with package. Price, pkg., 10c, postpaid.



## Sunflower

Showy, easily grown annual flowers, mostly yellow. Plant in April and May, 2 to 3 feet apart.

**DOUBLE DWARF.** 4 feet. Orange-yellow. Flowers large and double.

**DOUBLE TALL.** 6 feet. Yellow with dark center.

**GLOBE OF GOLD.** 6 feet. Free blooming, double globe or dahlia-like saffron flowers.

Above 3 varieties: Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c.

## Sweet William

Hardy biennial. 18 inches. These favorite garden flowers are showy and have a long blooming period. They grow readily from seed and will flower the first season when sown early in boxes or beds and transplanted. They thrive in any soil or situation.

**SINGLE MIXED.** Pkt., 5c; ¼ oz., 20c; ½ oz., 40c; oz., 70c.

**DOUBLE MIXED.** Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 70c.

**NEWPORT PINK.** Large flowering, solid pink. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 35c; ½ oz., 50c; oz., 85c.

**SCARLET BEAUTY.** Striking intense scarlet. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

## Texas Blue Bonnet

Hardy annual. Sow in March and April. Fine for cutting; flowers charming blue. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

## Thunbergia

Tender annual. Plant in April. Fine for hanging baskets or trellis work. Flowers yellow-buff with a black center. Pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; ½ oz., 40c; oz., 70c.

## Tithonia

Splendid for background or clumps. Tall growing plant with orange-red flowers, commonly known as Mexican Sunflower. Height 8 feet. Sow in April or May, thin to 3 feet. Cut out the top when 2 feet tall. It will make the plants branch. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c; ½ oz., \$1.00.

## Torenia

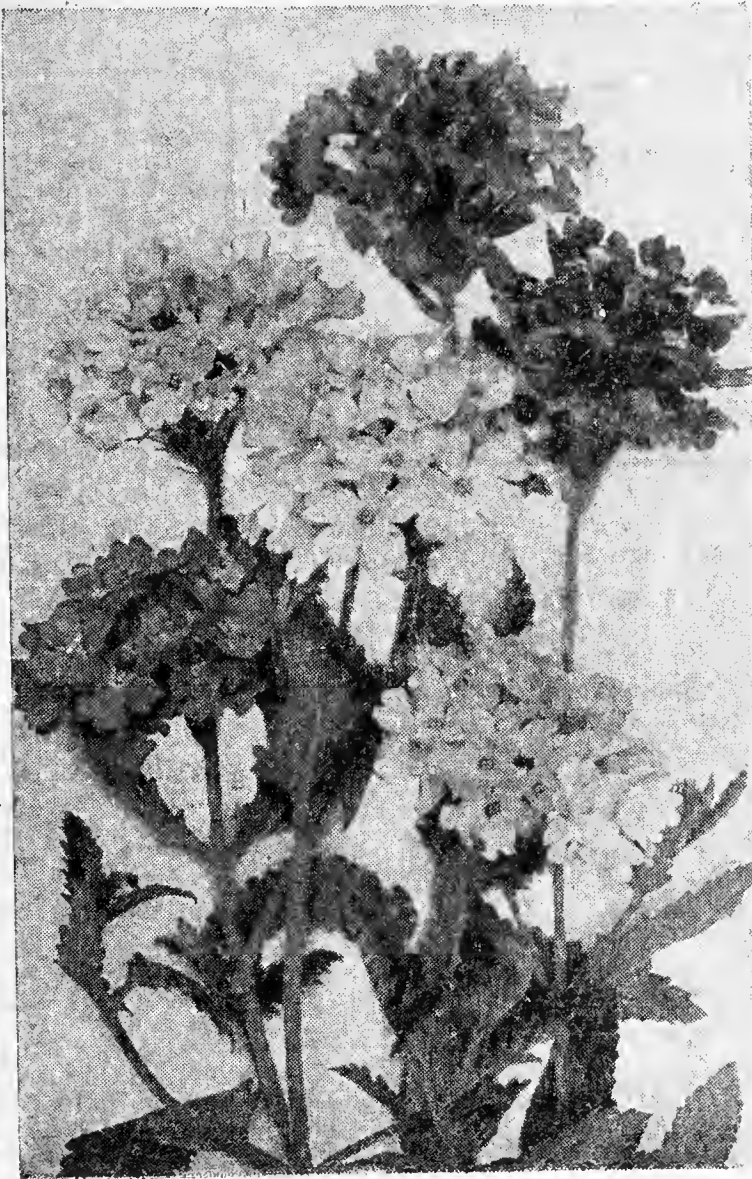
Annuals. Sow early indoors and transplant 8 to 12 inches apart. Globular plants literally covered with lovely, richly colored, snapdragon-like flowers of a delightful blue. Height 10 inches. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c; ½ oz., \$1.00.

## Verbenas

For beds, boxes or borders. This annual creeping plant is indispensable. Sow seed in boxes or frame early. Transplant to the open during May when young plants have 3 or 4 heads, or you can sow seed in open ground about April 10th to 15th. Germination will be hastened if seed is soaked in warm water several hours before planting. Cover seed ½ inch. Verbenas if kept watered will bloom all summer—the lovely clusters making a fine display.

**CHOICE MIXED VERBENA.** Hybrid type, very free blooming. Mixed, all colors. Pkt., 5c; ¼ oz., 35c; ½ oz., 50c; oz., 80c.

**MAMMOTH FLOWERING MIXED.** This is the grandiflora mammoth flowering type containing all the large or giant flowering varieties in mixture. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.



Verbena, mammoth flowering

## Vinca

Ornamental free-blooming plants with dark green foliage and pink and white flowers. Sow seed in boxes in March and transplant to the open in May. Height 12 inches.

**ALBA.** Snow-white. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

**ROSEA.** Soft pink. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

**MIXED.** Pink, pink-eye, and white. Pkt., 10c; ⅛ oz., 20c; ¼ oz., 35c; ½ oz., 50c; oz., 75c.

## Viola

Hardy perennial of easy culture. Seed may be sown in April where they are to remain. Mixed colors. Pkt., 10c; ¼ oz., 20c; ½ oz., 60c; oz., 90c.

## Wallflower

Favorite sweet-scented flower; useful as spring bedding, flowering the first season from seed. Half-hardy perennial. 1½ feet in height. Single mixed. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.

## Wild Cucumber Vine

Soak seed in warm water 2 hours before planting. This is one of the finest annual vines, splendid for covering fences, porches, etc. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.

## Viscaria

A very showy annual, 12 inches high, which has large single, blue, red, and white flowers. Can be used for beds or cutting. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 75c; ½ oz., \$1.25.



Sweet William

## VERBENAS—Continued.

**BEAUTY OF OXFORD.** These new hybrids show colors from rose-pink to rose-red and have bright attractive blooms of large clusters, an inch or more in diameter. Pkt., 10c; ⅛ oz., 50c; ¼ oz., 75c; ½ oz., \$1.25.

**CARDINAL GIGANTEA.** Bright red with white eye, large flowers. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 70c; ½ oz., \$1.00.

**HELEN WILLMOTT.** Salmon-rose with white eye. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 60c; ½ oz., \$1.00.

**LAVENDER GLORY.** A true lavender with small creamy white eye, fragrant. Pkt., 10c; ⅛ oz., 50c; ¼ oz., 75c; ½ oz., \$1.25.

**LUMINOSA.** Flame-pink, shading to salmon. Pkt., 10c; ⅛ oz., 40c; ¼ oz., 60c; ½ oz., \$1.00.

**SALMON-PINK.** Giant flowering, true salmon-pink with white eye. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c.

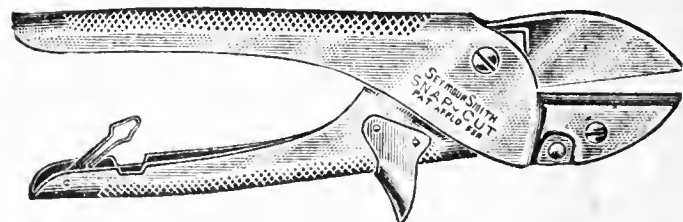
**SPECTRUM RED.** Bright red without an eye; florets about 1 inch in diameter—a gorgeous color. Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00; oz., \$1.50.

**GRANDIFLORA VERBENA.** To color. Mammoth Pink, Mammoth Crimson, Mammoth Purple, Mammoth Blue, Mammoth White. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c.

## Verbena Venosa

Perennial, 1 foot in height. Plants strong, thrifty growing, covered with bright heliotrope flowers. Sow indoors in March and transplant to open ground in May. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 75c.

## Snapcut Pruning Shears

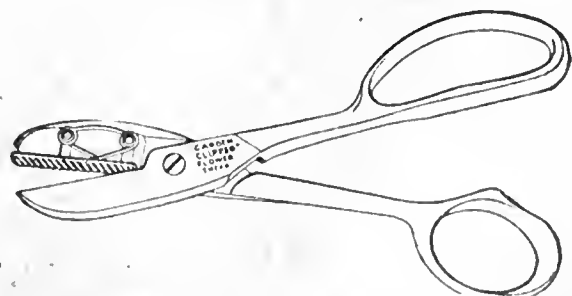


Severs the stem or branch with a clean cut like a knife; alloy steel cutting blade. Shears heavily nicked.

**No. 119.** 8 inches long. \$1.75; mailed, \$1.95.

**No. 118.** 6 inches long. \$1.40; mailed, \$1.50.

## Flower Shears



An improved shears for cutting flowers, equipped with an automatic grip that holds the bloom. Indispensable for Roses and thorny flowers. Should not be used for regular pruning. 59c; by mail, 70c.



Vinca



# Russell-Heckle's Zinnias

Most gorgeous and beautiful annuals in a wide range of color. Few flowers are more thoroughly satisfactory than the Zinnia, particularly in recent years. The extremely double blooms with long stems and lasting qualities make this old-fashioned flower a real pleasure in the garden. Sow seed after danger of frost is over in well-fertilized beds and keep plants well watered. Thin plants to 12 to 15 inches in the row and have rows wide enough to work, or they can be used for massing. The dwarf varieties make excellent borders or beds. The Zinnia makes one of the most satisfactory cut flowers for vases or bowls. Grow them in a sunny location. Do not endeavor to have good Zinnias and plant near large trees. If you sow only one annual flower, let it be Zinnia. Late sowings can be made up to July 15th and they will produce most beautiful blossoms. Make successive sowings beginning April 15th and you will have beautiful flowers up to frost. Dust young plants with sulphur when buds first appear at the rate of 1/2 lb. to a square rod to avoid mildew.

## California Giant Zinnias

This is a colossal Giant type with huge flowers, immense, broad, nearly flat flowers in a gorgeous assortment of colors. Splendid for cutting for garden effect. Plants grow 3 to 4 feet in height. Our seeds are all from the house of Bodger and you can depend on every variety of Zinnia seed on our list.

Named separate color California Giant Zinnias:

**BRIGHTNESS.** Bright pink.  
**CERISE QUEEN.** Orange-rose.  
**DAFFODIL.** Canary-yellow.  
**ENCHANTRESS.** Rich rose-pink.  
**GRENADIER.** Deep red.  
**GOLDEN QUEEN.** Golden yellow.  
**LAVENDER GEM.** Rosy lavender.  
**MISS WILLMOTT.** Soft rich pink.  
**ORANGE KING.** Orange-scarlet.  
**ORANGE QUEEN.** Golden orange.  
**PURITY.** Pure white.  
**ROSE QUEEN.** Brightest rose.  
**LEMON QUEEN.** Lemon-yellow.  
**SALMON QUEEN.** Salmon-rose.  
**SCARLET GEM.** Deep scarlet.  
**VIOLET QUEEN.** Deep purple.

Price above 16 separate color California Giant Zinnias: Pkt., 10c; 3 pkts., 25c; 7 pkts., 50c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 90c.

**CALIFORNIA GIANT MIXED ZINNIAS.** Pkt., 10c; 3 pkts., 25c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 70c.

### SPECIAL OFFER

One packet each of these  
 16 California Giant Zinnias.

Regular value \$1.60,  
 sent postpaid,  
 for only..... **80¢**

## Dahlia-Flowered Zinnia

A beautiful variety, very large and as graceful in appearance as the decorative Dahlia. Flowers often measure 5 to 6 inches in diameter and are produced in magnificent colors. Height of plants 3 feet. Our seeds are from the house of Bodger, originators of this splendid Zinnia.

## Named Dahlia-Flowered Zinnias

**ATTRACTION.** Brick-red.  
**BUTTERCUP.** Creamy yellow.  
**CANARY BIRD.** Primrose-yellow.  
**CRIMSON MONARCH.** Bright crimson.  
**DREAM.** Deep lavender.  
**ELDORADO.** Salmon-apricot.  
**EXQUISITE.** Rose-pink.  
**GOLDEN STATE.** Golden yellow.  
**ILLUMINATION.** Deep rose.  
**LEMON BEAUTY.** Lemon-yellow.  
**LUMINOSA.** Bright pink.  
**METEOR.** Darkest red.  
**OLD ROSE.** Old rose shade.  
**ORIOLE.** Orange to gold.  
**POLAR BEAR.** Pure white.  
**PURPLE PRINCE.** Deep purple.  
**SCARLET FLAME.** Bright scarlet.  
**YOUTH.** Light flesh.

Price, any of above named Dahlia-Flowered Zinnias: Pkt., 10c; 3 pkts., 25c; 1/4 oz., 35c; 1/2 oz., 50c; oz., 90c.

### SPECIAL OFFER

One packet each of above 18 varieties of Dahlia-Flowered Zinnias, regular value \$1.80.  
 Sent postpaid for only..... **90c**

**DAHLIA-FLOWERED MIXED ZINNIAS.** A select stock from named varieties. Pkt., 10c; 3 pkts., 25c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 70c, postpaid.

## Dwarf Lilliput or Pompon Zinnias

Pretty compact type producing small double flowers, showing well above the foliage. Make a good line or border. Also excellent cut flower. Annual, height 15 inches. Pkt., 10c; 3 pkts., 25c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 90c.  
**GOLDEN GEM.** Yellow. **SALMON GEM.** Salmon.  
**PURPLE GEM.** Purple. **SCARLET GEM.** Scarlet.  
**ROSE BUD.** Rose-pink. **WHITE GEM.** White.  
**PASTEL MIXTURE DWARF LILLIPUT ZINNIAS.** In many shades. Pkt., 10c; 3 pkts., 25c; 1/4 oz., 30c; 1/2 oz., 40c; oz., 75c.

## New and Novelty Zinnias

**FANTASY STAR DUST ZINNIA.** 1937 All America Winner. Clear golden yellow with tinted and quilled petals. Pkt., 10c; 3 pkts., 25c; 1/16 oz., 30c; 1/8 oz., 50c.  
**FANTASY MIXED ZINNIA.** Curled and crested, a colorful mixture of this beautiful variety in many shades mixed. 2 1/2 feet tall, and very free flowering. Pkt., 10c; 3 pkts., 25c; 1/8 oz., 30c; 1/4 oz., 50c.  
**CROWN OF GOLD.** Each petal is overlaid with golden yellow at the base, yet shows the individual flower color at the tip; a beautiful striking variety. Mixed colors. Pkt., 10c; 3 pkts., 25c; 1/8 oz., 25c; 1/4 oz., 35c; 1/2 oz., 50c.  
**LINEARIS.** Trailing type or spreading plant. Flowers single golden orange with a yellow stripe and has a dark center. Dwarf, compact, and flowers early. Pkt., 10c; 1/16 oz., 35c; 1/4 oz., 60c; 1/2 oz., \$1.00.  
**PUMILA PICOTEE DELIGHT.** Flowers medium, petals curled with picotee markings. Plants 2 feet high. Salmon-rose shade and finest mixed colors. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c.  
**EARLY WONDER ZINNIA.** A new race of dwarf early flowering Zinnias, producing a mass of Pumila type flowers on long stems; color fiery salmon-cerise-pink. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c.  
**GAILLARDIA-FLOWERED ZINNIA.** See page 24 for description. Pkt., 10c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c.  
**MEXICAN DWARF HYBRID MIXED.** Flowers small, excellent for bowl arrangements, and they range in color from yellow to mahogany-red, free flowering, 12 to 18 inches in height. Double mixed colors. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c.  
**RED RIDING HOOD.** Deep scarlet, miniature red flowers, plants 12 to 18 inches in height. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c.  
**TOM THUMB LILLIPUT ZINNIA.** Very compact and dwarf, 6 to 8 inches high, covered with well-formed flowers in all colors. Excellent pot plant or for borders. Mixed varieties. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 50c; 1/2 oz., 75c.

## Standard Good Zinnias

**CACTUS-FLOWERED.** The flowers have beautifully quilled petals, very showy and distinct. Mixed colors. Pkt., 5c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.  
**CURLED AND CRESTED.** Flower petals are artistically tinted, curled, and blooms nicely crested. Mixed colors. Pkt., 5c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.  
**DOUBLE PICOTEE.** Free flowering, 2 feet tall. Flowers have picotee markings in many beautiful colors. Pkt., 5c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 75c.  
**TALL DOUBLE.** All the double tall Zinnias in mixture. Fine for beds, groups or cut flowers. Height 2 feet. Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.00; lb., \$3.00.



California Giant Zinnias



# Top Notch GLADIOLUS BULBS

Plant in March, April, and up to July 1st. Set bulbs 6 inches apart and 4 inches deep in good, rich soil.

Gladiolus are easy to grow. Insects do not bother them and you will be well repaid when you see the beautiful blooms. Our bulbs are all No. 1 size, the largest obtainable. We do not handle the small grade which seldom give satisfaction. We sell six at dozen rates, 50 at 100 rates.

The following prices are postpaid. Prices at store: 5c per doz.; 25c per 100 less.

**AFLAME.** Midseason. Bright orange-flame. Doz., 55c; 100, \$3.25.

**AIDA.** Midseason. Rich showy blue. Doz., 60c; 100, \$4.00.

**ALBATROSS.** Midseason. Pure snow-white. Doz., 65c; 100, \$4.25.

**APRICOT GLOW.** Early flowering, warm apricot. Doz., 40c; 100, \$2.50.

**BETTY NUTHALL.** Magnificent salmon-pink on orange throat, late. Doz., 40c; 100, \$2.50.

**CHAS. DICKENS.** Early violet, almost purple. Doz., 55c; 100, \$3.25.

**COMMANDER KOEHL.** Midseason. Very large dark scarlet. Doz., 60c; 100, \$4.00.

**DR. NELSON SHOOK.** Midseason. Brilliant deep rose, American Beauty shade. Doz., 55c; 100, \$3.50.

**DR. F. E. BENNETT.** Midseason. Flame-scarlet stippled with ruby and white. Doz., 50c; 100, \$3.00.

**E. J. SHAYLOR.** Early flowering, deep showy pink. Doz., 40c; 100, \$2.50.

**GIANT NYMPH.** Midseason. Beautiful rose with creamy throat. Doz., 40c; 100, \$2.50.

**GLORIANA.** Midseason. Glorious golden salmon. Doz., 45c; 100, \$2.75.

**GOLDEN DREAM.** Late blooming, pure golden yellow. Doz., 40c; 100, \$2.50.

**GOLDEN FRILLS.** Very early, bright clear yellow. Doz., 35c; 100, \$2.25.

**HALLEY.** Early, salmon-pink, blotched at throat. Doz., 40c; 100, \$2.50.

**HELEN WILLS.** Midseason. Showy, pure white. Doz., 45c; 100, \$2.75.

**MRS. FRANCIS KING.** Midseason. Dazzling scarlet, an old favorite. Doz., 40c; 100, \$2.50.

**MOTHER MACHREE.** Midseason. Lavender overlaid salmon-pink. Doz., 65c; 100, \$4.25.

**MAID OF ORLEANS.** Very early. Milk-white with light cream throat. Doz., 80c; 100, \$5.75.

**MARIE KUNDERD.** Early flowering. Ruffled, pure white. Doz., 65c; 100, \$4.25.

**MINUET.** Late, rich lavender, very large. Doz., 60c; 100, \$4.00.

**MAMMOTH WHITE.** Late, fine exhibition flower, purest white. Doz., 60c; 100, \$4.00.

**MRS. FRANK PENDLETON.** Midseason. Salmon-pink blotched with crimson. Doz., 45c; 100, \$2.75.

**MRS. LEON DOUGLAS.** Late flowering rosy pink, overlaid with flame and red. Doz., 45c; 100, \$2.75.

**MRS. P. W. SISSON.** Midseason. One of the best light pink varieties. Doz., 40c; 100, \$2.50.

**ORANGE QUEEN.** Very early Primulinus. Doz., 35c; 100, \$2.25.

**PICARDY.** Late. The sensational large flowering Gladiolus; soft shrimp-pink with flesh-pink lip. Doz., 55c; 100, \$3.50.

**PFITZER'S TRIUMPH.** Midseason. Salmon with cherry throat, blotched. Doz., 55c; 100, \$3.50.

**PRIDE OF WANAKAH.** Midseason. Lavender-rose, deeper in throat. Doz., 55c; 100, \$3.25.

**PURPLE GLORY.** Midseason. Very deep purple, ruffled. Doz., 55c; 100, \$3.25.

**RED PHIPPS.** Early to midseason. Warm light red shading to deep red. Doz., 70c; 100, \$4.50.

**SALBACH'S ORCHID.** Midseason. Pinkish lavender, very showy. Doz., 65c; 100, \$4.25.

**VEILCHENBLAU.** Medium early. Beautiful violet-blue. Doz., 65c; 100, \$4.25.

**W. H. PHIPPS.** Late flowering. Enormous La France-pink overlaid with salmon and rose. Doz., 55c; 100, \$3.25.

## Top Notch Mixed Gladiolus

These mixtures are made up for us by our growers and contain all colors and many fine early, medium, and late varieties, to give you a long flowering season. You will be highly pleased with these splendid mixtures of Gladiolus.

Plant every week or two from March to July to have flowers every day.

### Good Mixed Gladiolus

A mixture of all standard good showy varieties, containing practically every color in Gladiolus. Doz., 20c; 100, \$1.75; 200, \$3.25; 500, \$7.50. By mail, doz., 30c; 100, \$2.00; 200, \$3.60; 500, \$8.15. Six at dozen rates, 50 at 100 rates.

### Regular Florists' Mixture

Contains the best varieties for cut flowers, the kinds that are suited best for this purpose and used by the florists' trade for cut blooms. Doz., 30c; 100, \$2.00; 200, \$3.75; 500, \$8.75. By mail, doz., 35c; 100, \$2.25; 200, \$4.10; 500, \$9.40. Six at dozen rates, 50 at 100 rates.

### CULTURE DIRECTIONS FOR GROWING GLADIOLUS FREE WITH ORDERS



Overton Park Crimson Bedder Cannas

### Exhibition Mixed Gladiolus

Contains all the finest Exhibition varieties. The fine large flowering and newer kinds. Doz., 35c; 100, \$2.25; 200, \$4.25; 500, \$9.00. By mail, doz., 40c; 100, \$2.50; 200, \$4.60; 500, \$9.65. Six at dozen rates, 50 at 100 rates.

### Primulinus Gladiolus

All the Primis in a beautiful assortment; contains many unique and interesting varieties of the Butterfly Gladiolus. Mixed colors. Doz., 30c; 100, \$1.75; 200, \$3.25; 500, \$7.50. By mail, doz., 35c; 100, \$2.00; 200, \$3.60; 500, \$8.15. Six at dozen rates, 50 at 100 rates.

### Canna Bulbs

Plant 3 to 4 inches deep and 18 to 24 inches apart as soon as the frost is out of the ground. Cover with leaves or mulch when first planted.

Price: Doz., 60c; 50, \$2.25; 100, \$4.00. By mail, doz., 70c; 50, \$2.50; 100, \$4.35.

**HUNGARIA.** 4 feet tall. Rich rosy pink blooms with green foliage.

**KING HUMBERT.** 5 feet. Deep fiery orange-red with bronze foliage.

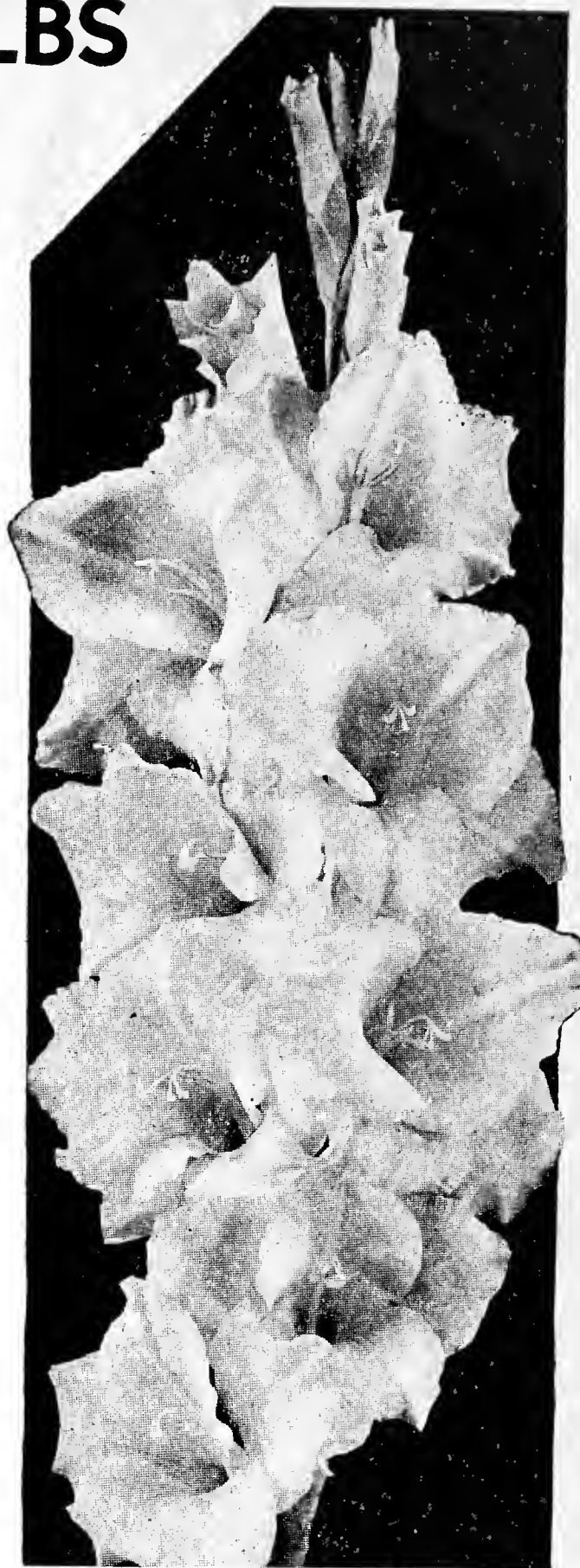
**THE PRESIDENT.** 4 feet. Brilliant crimson flowers, bright green foliage.

**YELLOW KING HUMBERT.** 5 feet. Lemon-yellow, stippled red, foliage green.

**OVERTON PARK CRIMSON BEDDER.** Large beautiful deep crimson blooms with green leaves; the kind you see growing in the Memphis Municipal Parks. Our own raising; fine sound bulbs. Doz., 75c; 100, \$4.50. By mail, doz., 90c; 100, \$4.90. Potted plants of this variety only, doz., \$1.00. By mail, doz., \$1.25.

#### SPECIAL OFFER

Ten each, **Hungaria, King Humbert, President Cannas.** 30 bulbs, only \$1.50, postpaid.



Picardy

### Six Outstanding Gladiolus

That have proven themselves to be superior in color and size of florets, at prices within reach of all.

Following prices are postpaid. Prices at store, 5c per dozen, 25c per 100 less.

**BAGDAD.** Very large, deep old rose. Doz., 65c; 100, \$4.25.

**CADILLAC.** Apricot shading to apricot-rose. Doz., 60c; 100, \$4.00.

**DEARBORN.** Flesh-pink, shading to amber. Doz., 55c; 100, \$3.75.

**EDITH MASON.** Exquisite rich geranium-pink. Doz., 55c; 100, \$3.75.

**LADY MARIE.** Beautiful warm salmon-pink. Doz., 75c; 100, \$4.75.

**QUEEN HELEN.** Geranium-pink with yellow blotch. Doz., 75c; 100, \$4.75.

#### SPECIAL OFFER

2 each of above 6 new varieties, 12 bulbs, 60c.  
8 each of above 6 new varieties, 48 bulbs, \$2.25.

Parcel Post Paid.



# TOP NOTCH DAHLIA BULBS

Our Dahlia bulbs are all grown by specialists. All bulbs are inspected to see that they are good and sound. Each bulb is separately wrapped and labelled and guaranteed true-to-name. Dahlia bulbs cannot be shipped until early in March.

Free cultural directions, "HOW TO GROW DAHLIAS," supplied with all orders. Tell us if you wish them.

## Ten Extra Good Decorative Dahlias

Price, each, 20c; 6 for 90c; 12 for \$1.50. Postpaid, each, 25c; 6 for \$1.05; 12 for \$1.75.

**AVALON.** Clear bright yellow.

**BARBARA REDFERN.** Old gold and rose.

**CATHERINE WILCOX.** Pinkish white, tipped red.

**CHARM.** Rich burnt orange.

**IOWA.** Maize, tipped pink.

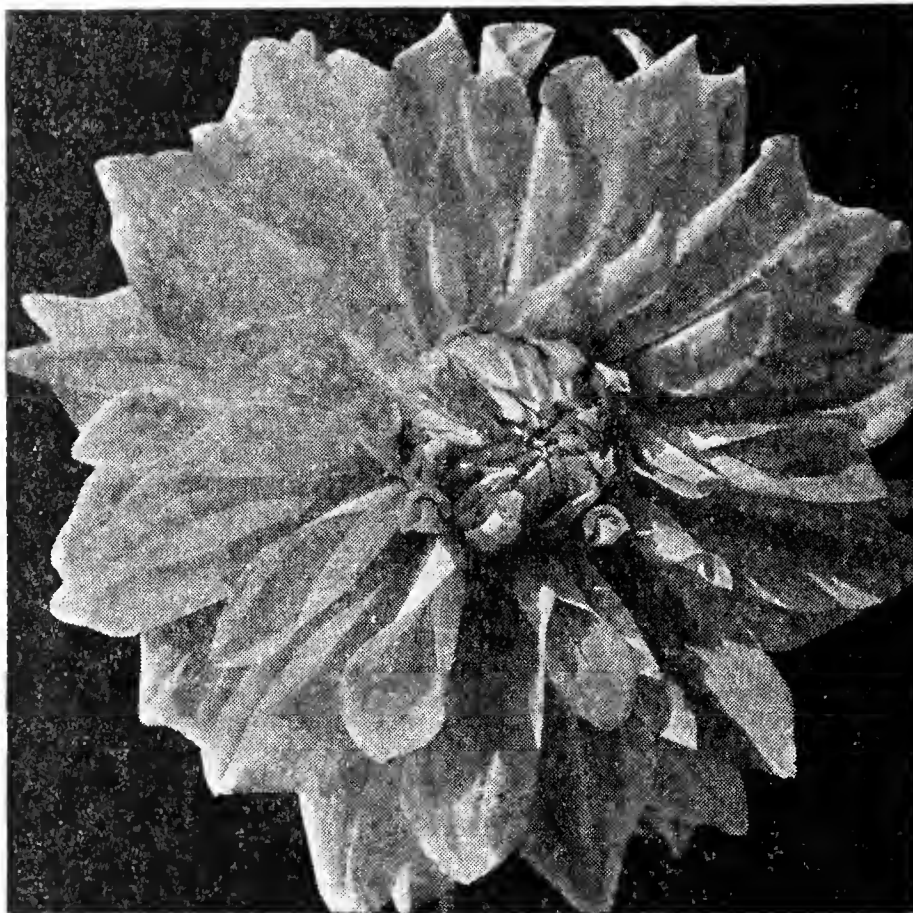
**JERSEY'S BEAUTY.** Rich clear pink.

**JERSEY'S BEACON.** Showy scarlet and buff.

**JUDGE MAREAN.** Large orange and red.

**SAGAMORE.** Beautiful apricot-buff.

**MARGARET WOODROW WILSON.** White, suffused pink.



Jersey's Beauty

## Ten Popular Decorative Dahlias

Price, each, 15c; 6 for 75c; 12 for \$1.20. By mail, each, 20c; 6 for 90c; 12 for \$1.45.

**AGNES HAVILAND.** Rose-pink and yellow.

**ELIZABETH SLOCOMBE.** Large reddish purple.

**JANE COWL.** Bronze-buff and salmon.

**JEAN KERR.** Pure snow-white.

**OREGON BEAUTY.** Rich brilliant red.

**PRIDE OF CALIFORNIA.** Bright showy crimson.

**MRS. I. DE VER WARNER.** Large orchid-lavender.

**SWIFT.** Rich golden yellow.

**VENUS.** White, suffused lavender.

**MRS. CARL SALBACH.** Showy lilac-pink.

**HOW TO GROW DAHLIAS**  
Cultural Directions Free  
With All Orders

## Six Exceptional Decorative Dahlias

Each, 25c; 6 for \$1.25; 12 for \$2.25. By mail, each, 30c; 6 for \$1.40; 12 for \$2.50.

**BASHFUL GIANT.** Immense apricot and amber.

**CITY OF TRENTON.** Bright tangerine-red.

**DAD.** Very large rich red.

**KATHLEEN NORRIS.** Large bright pink.

**KENTUCKY.** Salmon-pink, very showy.

**THOS. A. EDISON.** Rich royal purple.

**HOW TO GROW DAHLIAS**  
Cultural Directions Free  
With All Orders

## Tuberoses

Plant in March or April, 2 inches deep and 12 inches apart. Trim roots from bulb before planting.

**DOUBLE PEARL.** Postpaid, doz., 50c; 50, \$1.65; 100, \$2.75. Not prepaid, doz., 40c; 50, \$1.50; 100, \$2.50.

**SINGLE EVERBLOOMING.** Postpaid, doz., 50c; 50, \$1.65; 100, \$2.75. Not prepaid, doz., 40c; 50, \$1.50; 100, \$2.50.

## Peonies

Peony bulbs should be planted shallow so tip is just at top of the ground. Plant them in February or March 3 to 4 feet apart.

Price, each, 25c; 6 for \$1.25; 12 for \$2.25. By mail, each, 30c; 6 for \$1.45; 12 for \$2.45.

**BARONESS SCHROEDER.** White changing to blush.

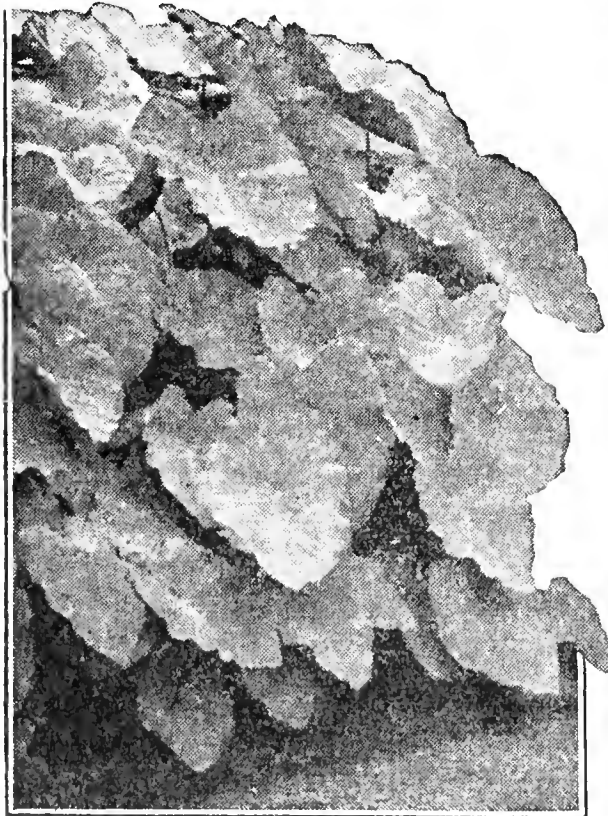
**EDULIS SUPERBA.** Very bright clear pink.

**FESTIVA MAXIMA.** White, flecked crimson.

**FELIX CROUSSE.** Brilliant ruby-red.

**MONS. JULES ELIE.** Lilac-pink, shaded rose.

**SARAH BERNHARDT.** Apple-blossom-pink.



Caladium

## Special Offer

One each of above six named Peony bulbs, regular value \$1.45, sent postpaid for only \$1.25.

## Caladium

Plant 4 inches deep, 18 inches apart in March and April. Fertilize and water well all during the summer.

**SMALL BULBS.** Each, 10c; 12 for 80c, postpaid. Not prepaid, each, 7c; 12, 60c.

**LARGE BULBS.** Each, 15c; 12 for \$1.25, postpaid. Not prepaid, each, 10c; 12, \$1.00.

**GIANT BULBS.** Each, 25c; 12 for \$2.10, postpaid. Not prepaid, each, 15c; 12, \$1.75.

## Amaryllis

Plant outdoors in part shade or you can plant in pots. They will bloom most anywhere.

**GIANT AMERICAN HYBRID AMARYLLIS.** Mixed colors. Each, 30c; 6 for \$1.50, postpaid.

**SOLID RED SHADE.** Each, 50c; 6 for \$2.75. Postpaid, 60c each; 6 for \$3.00.

**RED STRIPED.** Each, 50c; 6 for \$2.75. Postpaid, 60c each; 6 for \$3.00.

## Miscellaneous Bulbs

Prices, each, 15c; 6, 60c, postpaid.

**CINNAMON VINE.**

**MADEIRA VINE.**

**MONTBRETIAS.** Mixed.

## Lilies

Plant early in March or April 5 inches deep in well-drained soil. Partly shaded locations are advised for most all Lilies.

**REGAL LILY.** Beautiful hardy Lily with large trumpet-shaped sweet-scented flowers. Ivory white, shaded pink; yellow at base. Large bulbs, each, 25c; 6 for \$1.20, postpaid.

**LILIUM ALBUM.** Snow-white, extremely hardy, very fragrant. Large bulbs, each, 30c; 6 for \$1.50, postpaid.

**LILIUM AURATUM.** White studded with crimson spots and has a golden band through the center of each petal. Large bulbs, each, 25c; 6 for \$1.20, postpaid.

**LILIUM GIGANTEUM.** Hardy Easter Lily. Three feet tall, color white. Large bulbs, each, 25c; 6 for \$1.20, postpaid.

**LILIUM HENRYI.** Apricot-yellow, slightly spotted with brown, very showy. Large bulbs, each, 25c; 6 for \$1.20, postpaid.

**LILIUM PHILIPPINENSE.** The dream Lily, easy to grow, white with faint lavender tint on outside of each petal. Bulbs small but are sure to bloom. Each, 20c; 6 for \$1.00, postpaid.

**LILIUM RUBRUM.** White shaded with deep pink, spotted red. A beautiful large Lily. Large bulbs, each, 30c; 6 for \$1.50, postpaid.

**TENUIFOLIUM, CORAL LILY.** Clusters of dainty flowers, bright coral red. Blooms in June. Each, 20c; 6 for \$1.00, postpaid.

**TIGRINUM FLORA PLENA** (Double Tiger Lily). Each, 15c; 6 for 75c, postpaid.



Regal Lily



# FRUIT TREES, ROSES, SHRUBS, ETC.

Shipments made promptly from Memphis. Set fruit trees, shrubs, shade trees, pecans, raspberry, blackberry plants and field-grown Roses as early in the spring as possible. They will be surer to grow and live.

## Certificate of Inspection

Showing that the trees are free of disease will be attached to every shipment.

## Prices

All prices on fruit trees, roses, shrubs, etc., given here are f. o. b. Memphis, unless stated otherwise.

## APPLES

Price, 1-yr., 2- to 3-ft. trees, each, 30c; 3 for 80c; 10 for \$2.00; 100 for \$16.50. 2-yr., 4- to 5-ft. trees, each, 45c; 3 for \$1.20; 10 for \$3.25; 100 for \$27.00.

- DELICIOUS.** Skin streaked red, flesh sweet. Ripens September.
- EARLY HARVEST.** Ripens in May and June. Pale yellow, very juicy.
- GRIMES GOLDEN.** Large. Ripens in August. Rich golden yellow.
- HORSE.** Greenish yellow, large size, good cooking apple. Ripens in August.
- JONATHAN.** Ripens September. Bright flesh, tender, and sweet.
- MAIDEN BLUSH.** Medium size, pink skin, flesh sweet. Ripens July.
- MAMMOTH BLACK TWIG.** Large crimson skin; flesh brittle and crisp. Ripens in September.
- RED JUNE.** Rich red skin; white, juicy flesh. Ripens June and July.
- RED DELICIOUS.** Rich dark red, sweet flesh. Succeeds almost anywhere. Ripens September.

**STAYMAN'S WINESAP.** Skin dark red; flesh crisp and juicy. Ripens October.

**YELLOW DELICIOUS.** Golden yellow skin; flesh crisp and sweet. Ripens in September.

**WINESAP.** Sub-acid flesh; skin rich red. Ripens September and October.

**YELLOW TRANSPARENT.** Ripens in June. Greenish yellow skin with white flesh.

**HYSLOP CRAB.** Dark red fruit; fine for jelly.

**TRANSCENDENT CRAB.** Yellow, striped red; productive.

## PEARS

1-yr. trees, 2 to 3 ft., each 45c; 3 for \$1.20; 10 for \$3.50.

2-yr. trees, 4 to 5 ft., each 50c; 3 for \$1.35; 10 for \$4.00.

**DUCHESS.** Greenish yellow. Flesh is white, rich and of delicious quality; good for eating or canning. Ripens September.

**GARBER.** Fruit large, ripens early. Tree of vigorous strong growth; fruit yellow and sweet.

**KIEFFER.** Ripens in October. Fruit fine size, rich color, and of good quality. Fruit should be picked before maturity and ripened indoors.

**PINEAPPLE.** Practically blight-proof, productive and vigorous; flesh coarse grained. 3- to 4-ft. trees only. 60c each.

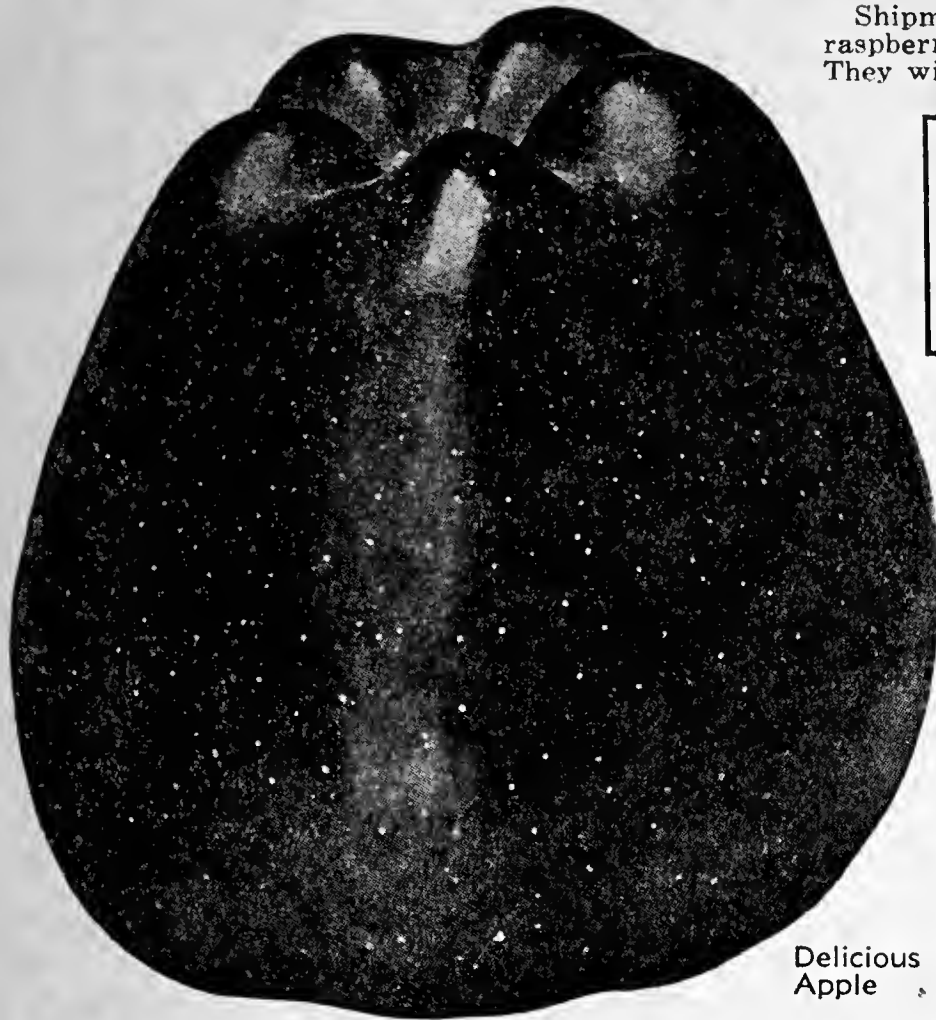
**SECKEL.** Small yellowish brown; flesh sweet and juicy. Ripens September.

**LINCOLN.** Hardy, nearly blight-resistant; fruit clear yellow, of superb quality. Ripens in August.

**BARTLETT.** Good size, skin yellow with yellow flesh; rich and juicy. The best eating Pear.

**SPRAY MATERIALS** priced on pages 61, 62, and 63.

Kieffer Pear



Delicious Apple

## PEACHES

Price, 1-yr., 2- to 3-ft. trees, each, 30c; 3 for 75c; 10 for \$1.75; 100 for \$12.50.

Price, 2-yr., 4- to 5-ft. trees, each, 40c; 3 for \$1.00; 10 for \$2.50; 100 for \$20.00.

**ARP BEAUTY.** Freestone. Ripens in June; yellow flesh, skin yellow with pink cheek.

**BELLE OF GEORGIA.** Ripens in August. Freestone, skin white with red blush, very sweet.

**CARMAN.** Freestone, white with deep blush, very hardy, delicious in quality. Ripens June 25th.

**CHINESE CLING.** Reliable clingstone, skin white with red cheek. Ripens August.

**CRAWFORD'S EARLY.** Golden yellow with blush meat, rich and melting. Ripens July.

**CHAMPION.** Immense, white, freestone. Flesh white and sweet. Ripens August.

**ELBERTA.** Fruit large, yellow with red cheek, flesh sweet and high flavored. Freestone. Ripens July 25th.

**EARLY ELBERTA.** Clear yellow with blush, 10 days earlier than regular Elberta. Freestone. Ripens July 15th.

**ELBERTA CLING.** A perfect clingstone of the Elberta family. Ripens in August.

**GOLDEN JUBILEE.** Highly recommended. Flesh yellow and juicy; skin yellow with blush. Freestone. Ripens early July.

**GREENSBORO.** Tree hardy and productive. Flesh white, firm, and sweet. Freestone. Ripens June 25th to July 10th.

**INDIAN BLOOD CLING.** Clingstone. Flesh red, streaked white. Ripens late August.

**JAPAN DWARF BLOOD.** Red skin, juicy red fruit. Freestone. Ripening August 1st to 25th.

**HEATH CLING.** A perfect white clingstone. Ripens in September.

**J. H. HALE.** Larger than Elberta. Golden yellow with blush outside, flesh yellow with fine flavor. Freestone. Ripens August 5th.

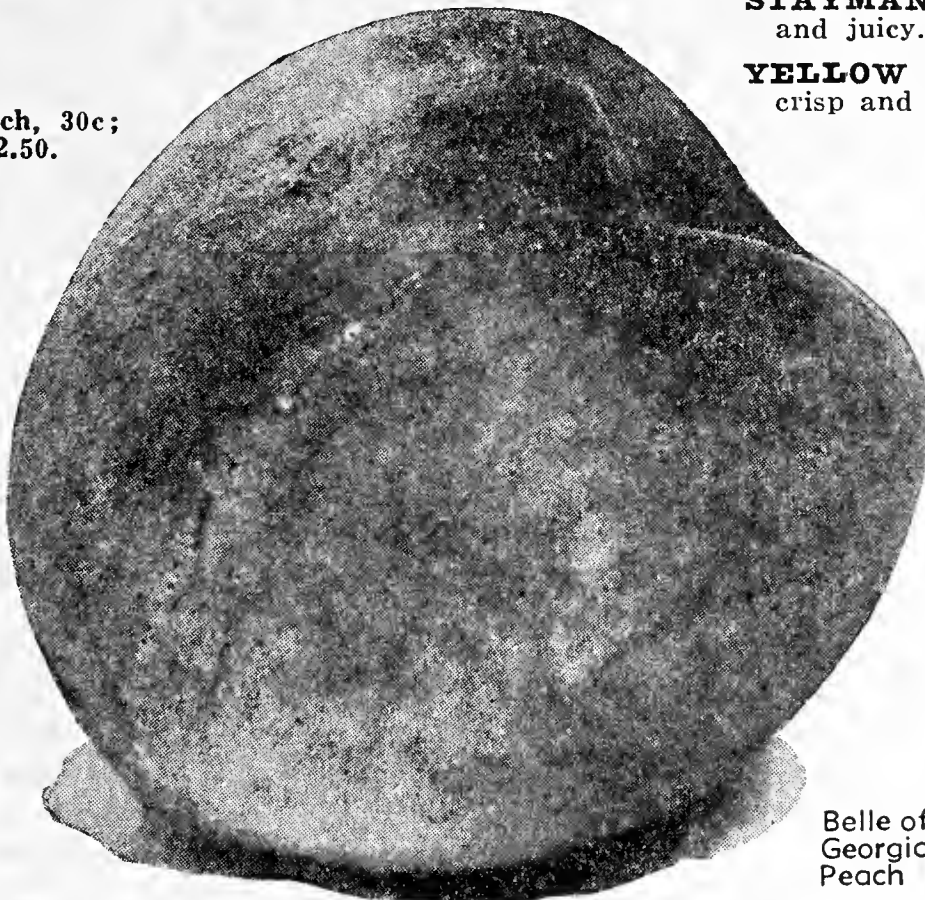
**LEMON CLING.** Late clingstone. Rich lemon skin, fruit sweet, fine for pickling. Ripens September.

**MAYFLOWER.** Earliest of all. Skin white with faint blush; flesh white, sweet. Freestone. Ripens June 1st to 10th.

**RED BIRD CLING.** Ripens next after Mayflower. Semi-freestone. Bright red in color; flesh white and sweet. Ripens June 15th.

**STUMP OF THE WORLD.** Extra large size, white. Freestone. Ripens in August.

**WONDERFUL.** Clingstone. Ripens in September. Skin white with blush; flesh white, very juicy.



Belle of Georgia Peach



## CHERRY TREES

1-yr., 2- to 3-ft. trees, each 45c; 3 for \$1.20; 10 for \$3.50.  
2-yr., 4- to 5-ft. trees, each 50c; 3 for \$1.35; 10 for \$4.00.

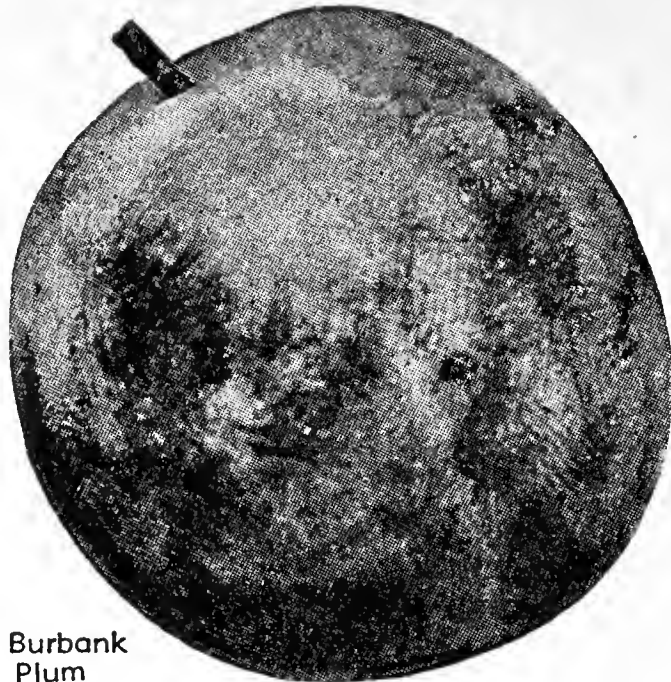
**BLACK TARTARIAN.** Very large black, sweet cherry; high quality. Ripens in May.

**EARLY RICHMOND.** Sub-acid, light red. Ripens in May.

**GOV. WOOD.** Sweet. Ripens the middle of May. Color red and covered yellow, of fine quality.

**MONTMORENCY.** Large rich red, a good bearer, sub-acid. Bears late May.

**YELLOW SPANISH.** Golden yellow color, delicious and sweet; tree extremely hardy. Ripens in May.



Burbank Plum

## Apricot Trees

1-yr., 2- to 3-ft. trees, each 40c; 3 for \$1.05; 10 for \$3.00.  
2-yr., 4- to 5-ft. trees, each 50c; 3 for \$1.35; 10 for \$4.00.

**EARLY GOLDEN.** Flesh orange; hardy and productive.

**SUPERB.** Salmon-colored; good size with firm flesh.

## Grape Vines

Plant 10 feet apart. Prune annually to 3 or 4 eyes.

2-yr. vines, each 20c; 10 for \$1.50; 100 for \$10.00. By mail, each 30c; 10 for \$1.80.

**BRIGHTON.** Reddish skin, sweet and delicious; berries large size.

**CONCORD.** Large berry and bunch; fruit blue-black, sweet and tender.

**DELAWARE.** Compact bunch; fruit small, red and exceedingly sweet.

**MOORE'S EARLY.** Very large berry on a compact bunch; fruit black and ripens uniform. Sweet and juicy.

**NIAGARA.** Greenish yellow and large size; vine vigorous and hardy, and very productive.

**FREDONIA.** Ripens 10 days earlier than Concord. Fruit purplish black, large in berry and bunch. Price Fredonia Grape, 5c extra.

## Scuppernong Grape Vines

Easy to grow. Plant 16 feet apart.

**BRONZE SCUPPERNONG.** Color brown, thick skin, sweet and has a fine flavor.

**JAMES.** Berries blue-black, sweet and juicy. Ripens ahead of Bronze.

Price, either variety, each 50c; 5 for \$2.00.

By mail, each 60c; 5 for \$2.25.



Moore's Early Grapes

## Currants

Plant in a moist, partly shaded location. Four feet apart each way.

**RED BOY.** Fruit bright red, very attractive. Each, 25c; 10 for \$1.50. By mail, each, 35c; 10 for \$1.70.

## Boysenberries

Highest quality of all bramble fruits. Our plants are from the originator, Rancho Verdad.

From a triple cross, involving Loganberries, Blackberries and Raspberries, Boysenberries were bred by Rudolph Boysen, superintendent of parks at Anaheim, California. It has a mild distinctive flavor of its own, somewhat suggestive of Raspberry.

When planting, allow 6 feet each way for vines to grow and bear properly. Leave vines on the ground in the summer because it keeps soil cool and the vine from burning.

In February and March train on trellis, after fruit is picked cut off old canes and let the vines fall on the ground. Only 1000 plants are needed to an acre. They will stand any kind of cold weather and never have any diseases.

The following prices are prepaid: Tip-rooted plants, 10 for \$1.50; 100 for \$10.00; 1000 for \$75.00. Heavy transplanted plants, 10 for \$2.50; 100 for \$20.00; 1000 for \$150.00. We sell 5 at 10 rates, 50 at 100 rates, 500 at 1000 rates.

## Strawberry Plants

Set in March and April in 3½-ft. rows and 15 inches apart in good clean loamy soil. Avoid Bermuda sod. Good clean cultivation is necessary to raise Strawberries. Plants ready in March.

Prices, 100 for 85c; 500 for \$2.25; 1000 for \$3.50, postpaid. Prices f. o. b. nursery, 2000 for \$6.00; 5000 for \$12.50.

Blakemore Strawberries

## PLUM TREES

1-yr., 2- to 3-ft. trees, each 35c; 3 for 90c; 10 for \$2.50.

2-yr., 4- to 5-ft. trees, each 45c; 3 for \$1.20; 10 for \$3.50.

**ABUNDANCE.** Fruit large, cherry-red and of good quality. Ripens July.

**BURBANK.** Large deep red, overlaying a yellow ground; flesh yellow, very sweet. Ripens in July.

**COMPASS.** A cross between the plum and cherry. Fruit about 1 inch in diameter, about the size of a Damson but red. Is fine for preserving. The tree bears very early.

**GOLD.** Yellow skin, sweet and juicy. 2- to 3-ft. trees only.

**RED JUNE.** Deep red skin. Ripens in June.

**SAPA.** A fine eating plum of European origin; rich red with yellow flesh. Ripens in July.

**WICKSON.** A Burbank introduction; handsome, deep maroon color, very firm flesh, vermilion-red, soft and juicy. Ripens in June.

**BLUE DAMSON.** Dark purple. Used for preserving.

## Blackberries

Strong plants, 10 for 60c; 25 for \$1.25; 100 for \$3.75. By mail, 10 for 75c; 25 for \$1.50; 100 for \$4.20.

**EARLY HARVEST.** Medium size. Ripens early, good quality and very prolific.

**ELDORADO.** Very large, black, borne in clusters; fruit sweet and delicious.

## Raspberries

Strong plants, 10 for 60c; 25 for \$1.25; 100 for \$3.75. By mail, 10 for 75c; 25 for \$1.50; 100 for \$4.20.

**CHIEF.** A new red variety. Ripens early.

**CUMBERLAND.** Large black variety; vigorous and hardy.

**FLAMING GIANT.** Richest red and of the finest flavor.

**LATHAM.** Extra large, clear pink berries.

**ST. REGIS.** Bright crimson, everbearing, good size and of fine flavor.

## Mulberries

3- to 4-ft. trees, each 50c; 3 for \$1.35.

**HICKS.** Fruit sweet; excellent for fruit, also shade in poultry yards.

## Nectarines

We offer two varieties:

**RED ROMAN and GOLD MINE.** 1-yr., 2 to 3 ft. trees, each, 40c; 3 for \$1.00. 2-yr., 4 to 5 ft. trees, each, 50c; 3 for \$1.35.

## Youngberry

Fruit larger than Dewberries with a decided flavor of the Raspberry. Splendid for home use.

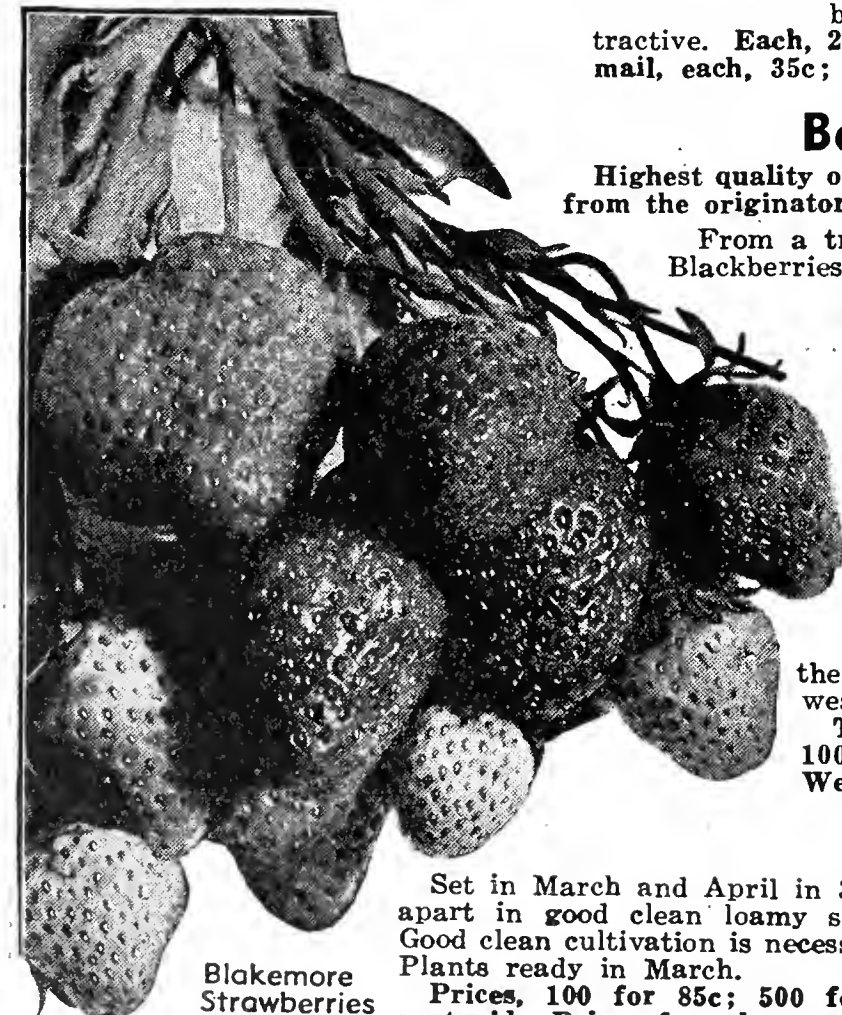
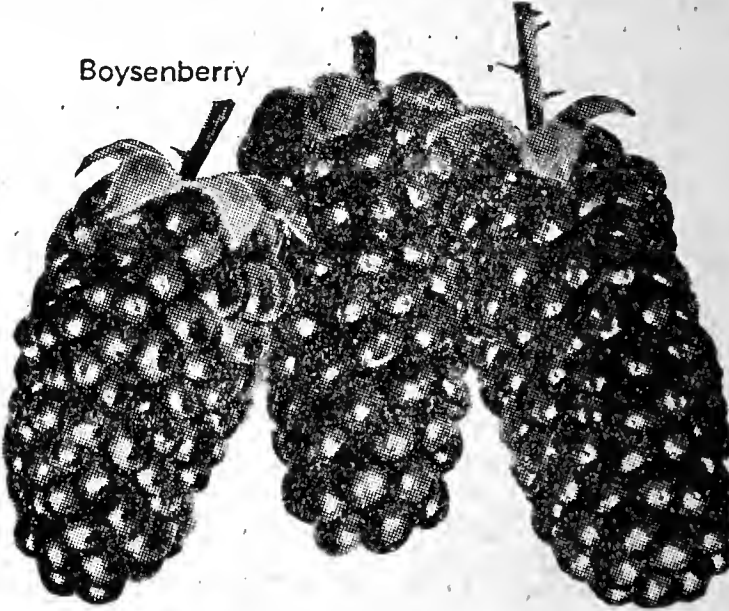
10 plants, 75c; 25 for \$1.50; 100 for \$4.50. By mail, 10 for 90c; 25 for \$1.75; 100 for \$4.90.

## Dewberries

Easy to grow; fruit large and very sweet, of delicious flavor.

**LUCRETIA.** Very large, soft black fruit. 10 plants, 60c; 25 for \$1.25; 100 for \$3.75. By mail, 10 for 70c; 25 for \$1.50; 100 for \$4.15.

Boysenberry





## Grafted Pecan Trees

1-yr., 2- to 3-ft. trees, each 90c; 3 for \$2.40; 10 for \$7.50.  
2-yr., 3- to 4-ft. trees, each \$1.25; 3 for \$3.50; 10 for \$10.00.  
**STUART.** Bears early, tree hardy and prolific; nut of good size and thin shell. Oval in shape.  
**SCHLEY.** Very thin paper shell; nuts long shaped. Medium size.  
**SUCCESS.** The largest paper shell; nuts almost round, of fine quality.

## Nut Trees

2- to 3-ft. trees, each 75c; 3 for \$2.00.  
**ENGLISH WALNUT.**

## Fig Bushes

1-yr., 2-ft. bushes, each 45c; 3 for \$1.20; 10 for \$3.75.  
**BROWN TURKEY.** Large, brownish red, very sweet.  
**CELESTIAL.** Fruit small and juicy; bush very hardy.  
**MAGNOLIA.** Very large, green with crimson pulp.

## Asparagus

In planting, make soil rich, dig trench or bed 2 feet deep, fill in with brick or cinders for draining. Plant in 1-ft. rows 16 inches apart, set top of crown 4 inches below surface and spread roots out carefully.

**MARY WASHINGTON.** The best large Asparagus; tips large, white, fresh and tender. 2-yr. roots, 25 for 50c; 50 for \$1.00; 100 for \$1.75. Postpaid, 25 for 60c; 50 for \$1.20; 100 for \$2.00.

## Rhubarb or Pieplant

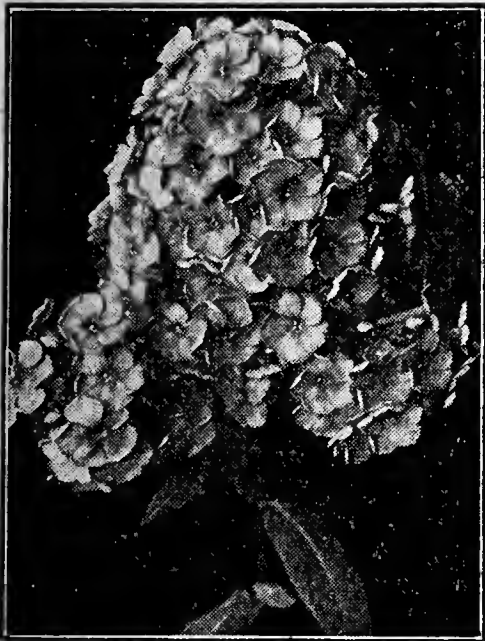
Plant roots in rich moist soil in a partly shaded location, 4 feet apart.

**VICTORIA.** Large, early and tender. 1-yr., each, 10c; doz., 75c. By mail, each, 15c; doz., \$1.00.

## Horseradish

Grow best in a sandy loose soil. Set cuttings 18 inches apart in 4-ft. rows.

**MALINER KREN.** Produces large, white, smooth roots. Doz., 35c; 50, \$1.25; 100, \$2.25. By mail, doz., 40c; 50, \$1.40; 100, \$2.50.



Phlox, Enchantress

## Hardy Perennials

Shipped promptly from Memphis—all individually wrapped. If wanted by mail, add 10c each, 50c per doz.

**AQUILEGIA** (Columbine). Mrs. Scott Elliott hybrids. Assorted colors. Each, 20c; 3 for 55c.

**BLEEDING HEART.** Field-grown roots. Each, 35c; 3 for \$1.00.

**CAMPANULA** (Canterbury Bells). Two colors, blue and rose-pink. Each, 20c; 3 for 55c.

**DAISY, Diener's Double Shasta.** Large snow-white. Each, 20c; 3 for 55c.

**DIANTHUS.** Hardy red Clove Pink. Each, 20c; 3 for 50c.

**DIGITALIS** (Foxglove). Gloxiniaeflora. Purple. Each, 20c; 3 for 50c.

**GAILLARDIA, Burgundy.** Scarlet. Each, 20c; 3 for 55c.

**GEUM, Mrs. Bradshaw.** Deep red. Each, 25c; 3 for 65c.

**GYPSOPHILA, Paniculata.** Pure white. Each, 20c; 3 for 55c.

**GYPSOPHILA, Bristol Fairy.** Large double white. Each, 50c; 3 for \$1.35.

**HEMEROCALLIS.** Coppery orange-lemon Lily. Each, 20c; 3 for 55c.

**HOLLYHOCK.** Double pink, double red, double yellow. Each, 20c; 3 for 50c.

**IRIS, Japanese.** Purple and gold Koki-Noire. Each, 25c; 3 for 60c.

**LINUM.** Hardy Flax. Bright blue. Each, 20c; 3 for 50c.

**LIATRIS** (Blazing Feather). Lavender. Each, 20c; 3 for 55c.

**LILY-OF-THE-VALLEY.** Hardy white. Each, 10c; 3 for 25c; 12 for 75c.

**PHLOX.** Hardy. Enchantress. Bright pink. Pantheon. Salmon-rose. Jules Sandeau. Salmon-pink. Rijnstroom. Rose-pink. Mrs. Jenkins. Pure white. Von Hochberg. Bright red. Price, each, 20c; 3 for 50c; 12 for \$1.50.

**PYRETHRUM** (Painted Daisy). Each, 20c; 3 for 55c.

**SWEET WILLIAM.** Newport Pink and Scarlet Beauty. Each, 20c; 3 for 55c.

## Planting Fruit Trees

Dig opening 2 to 3 feet deep and about the same width. Place top soil in bottom of hole. Fill in and tamp well, then set tree about the same depth it grew in the nursery rows. Be careful, don't set tree too deep, otherwise it will die. Tobacco stems or dust should be sprinkled on top around peach and plum trees to keep out borers.

Set Apples 30 to 35 feet apart.

Apricots, Cherries, Peaches, Plums and Pears. 18 to 24 feet apart.

Grape Vines. 8 feet apart in 10-ft. rows.

Scuppernong. 16 feet apart.

Raspberries. 3 feet apart in 8-ft. rows.

Pecans. 35 to 40 feet apart.

Figs. 10 feet apart in 12-ft. rows.



Spirea Anthony Waterer

## Flowering Shrubs

18- to 24-inch size.

**ABELIA, Grandiflora.** Dainty blush-like flowers; valuable for foundation planting. Each, 40c; 10, \$3.50.

**ALMOND, Flowering.** Rose-like blossoms, fine for shrubbery border, pink. Each, 40c; 10, \$3.50.

**ALTHEA** (Rose of Sharon). Grows most anywhere, attractive and vigorous; pink, white, red. Each, 25c; 10, \$2.00.

**BUTTERFLY BUSH.** Fine for backgrounds; has a reddish violet bloom. Each, 30c; 10, \$2.50.

**BUTTERFLY BUSH, Ile de France.** An improved variety of above. Each, 40c; 10, \$3.50.

**CALYCANTHUS.** Called Sweet Shrub. The chocolate-colored bloom is fragrant. Each, 35c; 10, \$3.00.

**CYDONIA, Japonica.** Small shrub, covered with vivid red flowers. Each, 35c; 10, \$3.00.

**CREPE MYRTLE.** Foliage dark green; flowers beautiful lace-like. We can supply the watermelon-pink, crimson and white. Each, 45c; 10, \$4.00.

**DEUTZIA, Crenata.** Cluster-like blooms, of easy cultivation. Each, 40c; 10, \$3.50.

**FORSYTHIA, Suspensa.** Beautiful yellow flowers on long swooping branches. Also called Golden Bell. Each, 30c; 10, \$2.50.

**FORSYTHIA, Fortunei.** Grows more bushy and upright than Suspensa. Each, 25c; 10, \$2.00.

**HYDRANGEA** (Hills of Snow). Flowers snow-white, similar to the Snowball. Each, 40c; 10, \$3.50.

**HYDRANGEA, Paniculata.** Fine for large beds; flowers pinkish white, very showy. Each, 40c; 10, \$3.50.

**LILAC, Syringa.** We can supply both the purple and white. Each, 35c; 10, \$3.00.

**LILAC, Persian.** Purple flowers on slender branches with narrow leaves. Each, 40c; 10, \$3.50.

**PHILADELPHUS** (Mock Orange). Blooms in May. Tall growing, with beautiful white blooms. Each, 25c; 10, \$2.00.

**PHILADELPHUS, Virginal.** Flowers very large, waxy white, exceedingly fragrant. Each, 35c; 10, \$3.00.

**PURPLE FRINGE.** Also called Smoke Tree. Showy, vigorous shrub. Each, 60c; 10, \$5.00.

**SPIREA VAN HOUTTE.** Commonly known as Bridal Wreath. Snow-white. Each, 20c; 10, \$1.50.

**SPIREA Billardi.** Rich pink flower, shrub vigorous. Six feet tall. Each, 20c; 10, \$1.75.

**SPIREA, Anthony Waterer.** Dwarf growth, flower rose-crimson. One of the best. Each, 30c; 10, \$2.50.

**SNOWBALL.** Large snow-white flowers; very attractive. Each, 40c; 10, \$3.50.

**WEIGELA, Rosea.** Early flowering, rose colored, dwarf to medium. Each, 30c; 10, \$2.50.

**WEIGELA, Eva Rathke.** Very attractive, flowers deep carmine-red. Each, 40c; 10, \$3.50.

**WEIGELA, Floribunda.** Bright crimson flowers. Each, 30c; 10, \$2.50.

If shrubs are wanted by mail, add 8c each.

## Ornamental and Shade Trees

Prices f. o. b. Memphis.

**CHINESE ELM.** 6 to 8 ft. Each, \$1.50.

**DOGWOOD, Pink.** 3 to 4 ft. Balled in moss. Each, \$1.75.

**DOGWOOD, White.** 3 to 4 ft. Balled in moss. Each, \$1.00.

**FLOWERING PEACH.** Red. 2 to 3 ft. Each, 45c.

**FLOWERING PEACH.** White. 2 to 3 ft. Each, 75c.

**FLOWERING CRAB, Bechtel's.** 2 to 3 ft. Each, \$1.00.

**NORWAY MAPLE.** 6 to 8 ft. Each, \$1.25.

**REDBUD, American.** 4 to 5 ft. Each, 75c.

**SILVER MAPLE.** 6 to 8 ft. Each, 75c.

**FLOWERING JAPANESE CHERRY.** 3 to 4 ft. Each, \$1.75.

## Hedge Plants

12 to 18 inches high.

**AMOR RIVER PRIVET.** 10, 60c; 100, \$3.00.

**CALIFORNIA PRIVET.** 10, 50c; 100, \$2.50.

Above prices are f. o. b. Memphis.

## Climbing Vines

**AMERICAN BITTERSWEET.** Each, 35c.

**AMPELOPSIS, Virginia Creeper.** Each, 30c.

**CLEMATIS, Paniculata.** White. Each, 30c.

**CLEMATIS, Jackmani.** Purple. Each, 45c.

**KUDZU VINE.** Each, 30c.

**SILVER LACE VINE.** Each, 45c.

**WISTERIA.** Purple and white. Each, 35c.

By mail, add 10c each extra.





Etoile de  
Hollande

# Russell-Heckle Co.'s Roses

All two-year, field-grown, first quality plants.

Set plants as early in spring as possible, in good well-prepared soil, good drainage is essential. Cut plants back and mulch well when you set them out. Our Rose Growers' Bone Meal or Vigoro should be used for fertilizer.

Spray plants with Tri-O-Gen as soon as the leaves put out and you will control insects, Aphis and Black Spot. This is a sure preventative and cure.

## Lot A

Each, 35c; 6 for \$2.00; 12 for \$3.75. By mail, each 45c; 6 for \$2.20; 12 for \$4.00.

**AMERICAN BEAUTY.** Pink, shaded carmine, full and double.  
**AMI QUINARD.** Dark blood-red, almost black.  
**ANTOINE RIVOIRE.** Silvery pink, shaded lilac and yellow.  
**BETTY UPRICHARD.** Brilliant orange, carmine and salmon.  
**BRIARCLIFF.** Rosy pink, large, full and double.  
**CALEDONIA.** Pointed bud, pure white flower.  
**CHAS. K. DOUGLAS.** Large size, rich crimson-scarlet.  
**COLUMBIA.** Bright pink, shading to deeper pink.  
**DAME EDITH HELEN.** Clear pink, superb, immense blooms.  
**DAINTY BESS.** Flesh-pink, tinged old rose.  
**ETOILE DE HOLLANDE.** Large, brilliant red, very fragrant.  
**E. G. HILL.** Brilliant red, shading to dark crimson.  
**FRANCIS SCOTT KEY.** Very full and double, deep crimson.  
**FRAU KARL DRUSCHKI.** Enormous, white, of vigorous growth.  
**GOLDEN OPHELIA.** Rich golden yellow, lighter at edges.  
**GRENOBLE.** Striking scarlet-crimson, very large.  
**GRUSS AN TEPLITZ.** Dark velvety scarlet, very fragrant.  
**HADLEY.** Rich crimson-red blooms on long stems.  
**J. J. L. MOCK.** Vivid pink with reverse silvery rose.  
**JOANNA HILL.** Rich yellow with flushes of orange.  
**K. A. VICTORIA.** Buds creamy white with yellow tint.  
**KILLARNEY.** Bright sparkling pink, free bloomer.  
**LADY HILLINGDON.** Saffron-yellow, lighter at edges.  
**LUXEMBOURG.** Golden yellow, copper shading at center.  
**MRS. CHAS. BELL.** Salmon-pink, buds soft shell-pink.  
**OPHELIA.** Soft pink with a touch of gold.  
**PAUL NEYRON.** Very large, deep shade of rose-pink.  
**PRES. HERBERT HOOVER.** Scarlet-flame, yellow, and cerise-pink.  
**RADIANCE.** Opaline-pink with light pink on cerise petals.  
**RED RADIANCE.** Lovely deep red, a superb flower.  
**SENSATION.** Full and double, rich scarlet-crimson.  
**SUNBURST.** Bright yellow with rich orange tint.  
**TALISMAN.** Vigorous grower, scarlet-orange; buds red and gold.  
**ULRICH BRUNNER.** Large, fine flower, cherry-red.

## Lot D—2-Year Climbing Roses

Each, 35c; 6 for \$2.00; 12 for \$3.75. By mail, each 45c; 6 for \$2.20; 12 for \$4.00.

**AMERICAN BEAUTY.** Pink and carmine.  
**CHAPLIN'S PINK.** Brightest pink.  
**COUNTESS MARY.** Light pink.  
**MARECHAL NEIL.** Fragrant, rich yellow.  
**MARY WALLACE.** Pink, illumined gold.  
**METEOR.** Noisette type, deep crimson.  
**PAUL'S SCARLET.** Intense scarlet.  
**MME. GREGOIRE STAECHELIN.** Delicate pink.  
**SILVER MOON.** White with golden anthers.  
**ROSE MARIE.** Large clear pink.

## Lot E—Special Monthly Blooming Climbing Roses

Each, 40c; 6 for \$2.25; 12 for \$4.00. By mail, each, 50c; 6 for \$2.45; 12 for \$4.25.

**PINK RADIANCE.** Bright pink, very fine.  
**RED RADIANCE.** Gorgeous large red.  
**PRES. HERBERT HOOVER.** Pink, flame-red and yellow.  
**TALISMAN.** Pink, scarlet and yellow.

## Patented Roses

Two-Year, Field-Grown Plants

To Buyers of Patented Roses: We cannot replace Patented Roses. We believe that with proper care they will grow and thrive, and come true to description, but they must be purchased with the understanding that no replacement will be made under any circumstance.

**AMELIA EARHART.** Plant Patent No. 63. Yellow with cream center. Each, \$1.25; by mail, \$1.40.  
**BETTER TIMES.** Plant Patent No. 23. Flowers brilliant cerise-red on long stems. Each, \$1.25; by mail, \$1.40.  
**COUNTESS VANDAL.** Plant Patent No. 38. Coral-salmon-pink and copper; a beautiful color. Each, \$1.00; by mail, \$1.15.  
**GLOAMING.** Plant Patent No. 137. Very large blooms, soft salmon-pink. Each, \$1.50; by mail, \$1.65.  
**MARY HART.** Plant Patent No. 8. Red sport of Talisman; a grand solid color. Each, \$1.00; by mail, \$1.15.  
**TEXAS CENTENNIAL.** Plant Patent No. 162. Color blood-red, toning to cerise in the center. Each, \$1.00; by mail, \$1.20.  
**WILL ROGERS.** Plant Patent applied for. Dark velvet crimson-maroon, double and free-blooming. Each, \$1.00; by mail, \$1.15.

## Six Standard Tree Roses

Strictly No. 1 grade. Price, \$2.50 each, f. o. b. Memphis; 3 for \$7.00. Plants too large to mail. All Tree Roses must be shipped by express or truck.

**DAME EDITH HELEN.** Bright rose-pink.  
**ETOILE DE HOLLANDE.** Brilliant red.  
**MRS. E. P. THOM.** Rich golden yellow.  
**MRS. PIERRE S. DU PONT.** Beautiful deep yellow.  
**PRES. HERBERT HOOVER.** Yellow, pink and flame.  
**TALISMAN.** Two-toned pink and yellow.

### Spray for Roses

When dormant, Dendrol  $\frac{1}{2}$  pint to 6 gallons water.  
 When lice appear, Evergreen 1 teaspoon or Black Leaf 40.  
 When insects appear, Arsenate of Lead, 1 teaspoon to 1 gallon water.  
 For Black Spot, use Triogen as a spray or dust with sulphur.  
 For Blight, Bordeaux  $\frac{1}{2}$  lb. to 3 gallons water.

## Our Bargain Collection

Of Six 2-yr., Field-Grown Rose Bushes,

Dainty Bess. Flesh-pink, tinged rose. ONLY  
 Gruss an Teplitz. Brilliant crimson-red.  
 Mrs. R. M. Finch. Glowing solid pink.  
 Red Grootendorst. Rugosa type, red.  
 Frau Karl Druschki. Large snow-white.  
 Climbing Pink Radiance. Pink. \$1.50  
 Postpaid

## Lot B

Each, 40c; 6 for \$2.25; 12 for \$4.00. By mail, 50c each; 6 for \$2.45; 12 for \$4.25.

**AUTUMN.** Burnt orange and yellow, splashed red.  
**BETTY SUTOR.** Soft beautiful pink, very fragrant.  
**DUCHESS OF WELLINGTON.** Saffron-yellow, beautiful, long-pointed bud.  
**EDITH NELLIE PERKINS.** Oriental red, shaded cerise-orange.  
**GOLDEN DAWN.** Long yellow bud; an ideal yellow Rose.  
**MARGARET MCGREDY.** Vigorous, Oriental red, passing to orange-rose.  
**MRS. E. P. THOM.** Rich deep yellow, long-pointed buds, very fine.  
**MRS. HENRY BOWLES.** Brilliant shade of pink shaded with salmon.  
**MRS. PIERRE S. DU PONT.** Long, reddish yellow, opening to golden yellow.  
**RAPTURE.** Buds pink with touch of gold at petals, fine.

## Lot C—2-Year

Polyantha or Cluster Roses

Continuous bloomers, called Fairy Roses.

Each, 35c; 6 for \$2.00; 12 for \$3.75. By mail, each 45c; 6 for \$2.20; 12 for \$4.00.

**CECILE BRUNNER.** The Sweetheart Rose. Light pink, yellow at base.  
**EBLOUISSANT.** Dark red, shaded with velvety crimson.  
**EDITH CAVELL.** Crimson cluster, very showy.  
**GEORGE ELGER.** The brightest yellow of the Polyantha Roses.  
**GLORIA MUNDI.** Blazing orange-scarlet. This is a beauty.  
**IDEAL.** Dark scarlet with almost black shading.  
**KERSTEIN POULSON.** Light red with blooms carried on long sprays.  
**MRS. R. M. FINCH.** Two-inch flowers, bright rose-pink.

## For Black Spot on Roses

If you really want to have your Roses free of Black Spot, use Tri-O-Gen. It will also correct Aphis, Blight and Chewing Insects. Folks, it has no equal for Roses, Phlox, etc. Ask for our circular on Tri-O-Gen.  
 Trial size, for 30 Roses the season, \$1.50; by mail, \$1.70.  
 Medium size, for 80 Roses for the season, \$4.00; by mail, \$4.25.  
 Large size, enough for 150 Roses for the season, \$6.00; by mail, \$6.25.



# GREENHOUSE BEDDING PLANTS

We guarantee all bedding plants that we send out. You must be satisfied. All stocks are ready usually by March 15th. Some varieties earlier and orders will be acknowledged on receipt and we will forward plants at the proper time. Usually April is early enough

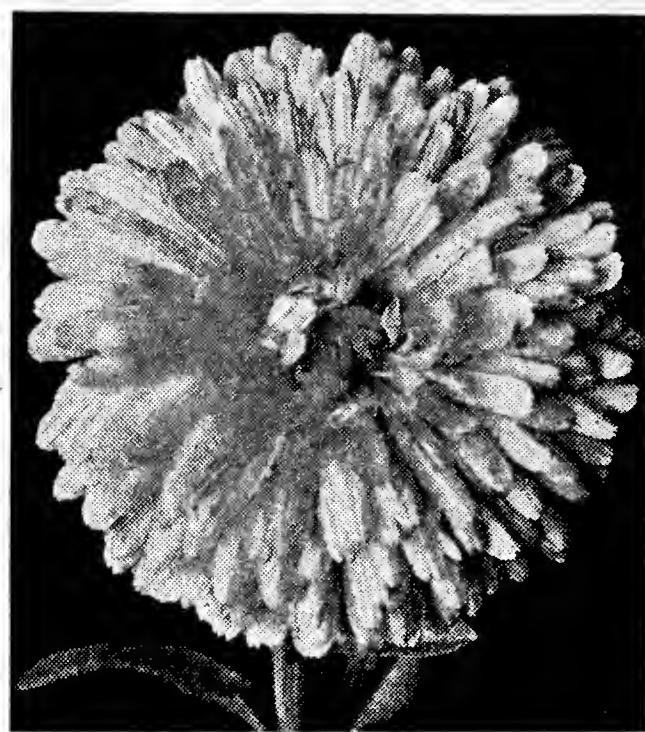
to put them out. When plants are received, see that the roots are kept wet and when you do set them out, water them again and shade a few days with newspapers, cutting a few holes in the paper for air. Remove this protection after 4 or 5 days, when the young plants will have taken root.



Coleus



Aster



Calendula

**ASTERS, Blue Gem.** Double starlike flowers.

**A., Mauve Queen.** Semi-double, bright mauve. Each, 10c; 3 for 25c; doz., \$1.00. By mail, each 15c; 3 for 40c; doz., \$1.20.

**ACALPHAS, Tricolor (Fire Dragon).** Large with beautiful markings, mottled and blotched crimson on green background. Each, 10c; 3 for 25c; doz., \$1.00. By mail, each 15c; 3 for 40c; doz., \$1.20.

**ACHRYANTHUS, Brilliantissima.** Leaves and stems beautiful red, splendid for bedding. Each, 10c; 3 for 25c; doz., \$1.00. By mail, each, 15c; 3 for 40c; doz., \$1.20.

**AGERATUM, Blue Boy.** Dwarf in growth, true blue, always in bloom, for borders or beds. Each, 8c; doz., 75c. By mail, each, 12c; doz., 95c.

**ANTHERICUM.** Adapted for hanging baskets or window-boxes. 4 to 6 inches long with green foliage and creamy yellow center. Each, 15c; doz., \$1.50; By mail, each, 20c; doz., \$1.75.

**ALTERNANTHERAS.** Adapted for borders. Can be pruned to make designs, letters in flower beds or massing for foliage beds.

**A., aurea nana.** Bright golden yellow.

**A., Brilliantissima.** Crimson-scarlet and pink.

Both above: Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.20.

**ARTILLERY PLANT, Pilea Arborea.** Pretty plant of dwarfy habit, long lacy-like scarlet foliage. Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.20.

**ALYSSUM PLANTS.** Fine for boxes, baskets or borders; small white flowers, fragrant. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**BALSAM.** Double flowers. 12 inches high. Fine for borders or beds; all colors. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**BEGONIAS.** Beautiful colors of this splendid foliage plant.

**B., Beefsteak.** Silvery leaves, reddish underneath.

**B., Brilliant.** Gorgeous colored leaves, covered with Christmas-red flowers.

Prices, above two varieties: Each, 15c; 2 for 25c. By mail, each, 20c; 2 for 35c.

**CALENDULAS (Pot Marigold).** Pretty, showy flowers; fine for cutting. Each, 10c; 12 for 75c. By mail, each, 15c; 12 for 95c.

**CANDYTUFT.** For borders or beds. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**COLEUS.** Showy summer-bedding plants for mass planting or boxes.

**C., Bedding Coleus.** All colors. Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.25.

**C., Trailing Coleus.** For baskets. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**CLERODENDRON (Bleeding Heart).** Vine crimson blooms, with pearly white petals. Each, 15c; 2 for 25c. By mail, each, 20c; 2 for 35c.

**CUPHEA, Cigar Plant.** Showy with long red firelike flowers on bright green stems. Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.20.

**FERNS, Boston Ferns.** 10c, 15c, and 25c each.

**FERNS, Asparagus Plumosus Ferns.** 10c, 15c, and 25c each.

**FERNS, Asparagus Sprengeri Ferns.** 10c, 15c, and 25c each. Three above varieties: By mail, add 5c each.

**FANCY LEAF CALADIUMS.** Many beautiful colors. Small plants, 25c; by mail, 35c. Large plants, 50c; by mail, 70c.

**GARDENIAS.** Beautiful showy plants. The white flowers have a delightful fragrance. Small plants, 35c; by mail, 45c. Medium plants, 75c; by mail, 95c. Large plants, \$3.00; by mail, \$3.40.

**GODETIA.** Produce Azalea-like flowers. Highly recommended; pink with crimson-blotched center. Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.20.

**DOUBLE GERANIUMS.** Orange red, rosy salmon, brilliant scarlet, pure white. Each, 10c; 3 for 25c. Large plants, each, 20c; 3 for 50c. By mail, add 5c each.

**HIBISCUS, Rose of China.** Immense double Hollyhock-like flowers. Each, 20c; 2 for 35c. By mail, each, 25c; 2 for 45c.

**HYDRANGEAS.** New French. Excellent showy, free flowering plant. Always satisfactory.

**H., Helge.** Carmine-red.

**H., Marechal Foch.** Scarlet.

**H., Mme. Chautard.** Bright rose.

Above three varieties: Each, 15c; 2 for 25c. By mail, each, 25c; 2 for 35c. Large plants, each, 35c. By mail, 50c.

Use Aluminum Sulphate in the soil, it will turn the flowers blue. 1 lb., 25c, postpaid.

**ICE PLANTS.** For hanging-baskets, boxes, etc. Each, 15c; doz., \$1.25. By mail, each, 20c; doz., \$1.50.

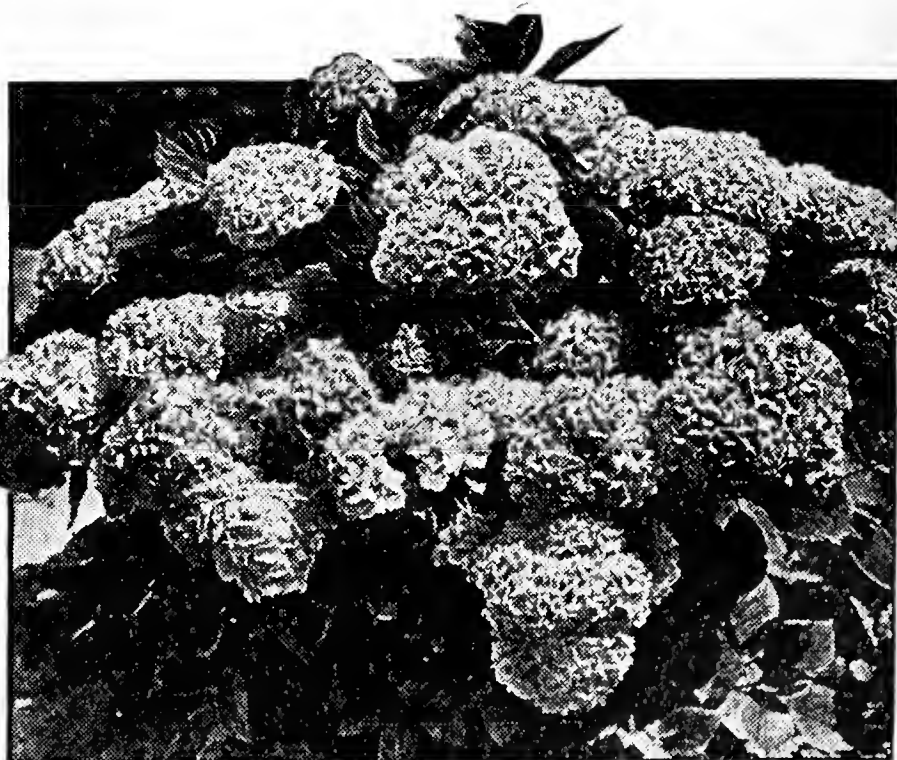
**IVY (English Ivy).** The climbing vine for porches, walls, etc.

**PARLOR IVY.** For growing indoors in baskets or pots.

Price above two Ivys: Each, 15c; doz., \$1.25. By mail, each, 20c; doz., \$1.50.

**BRANCHING SMALL LEAF IVY.** Each, 20c; doz., \$2.00. By mail, each, 25c; doz., \$2.20.

**JASMINE, Cape.** A splendid shrub with delightful fragrant, white blooms. 2 to 2½ inches across. 6- to 8-inch plants, each, 35c; by mail, 45c. 12- to 15-inch plants, each, 40c; by mail, 75c.



Hydrangea



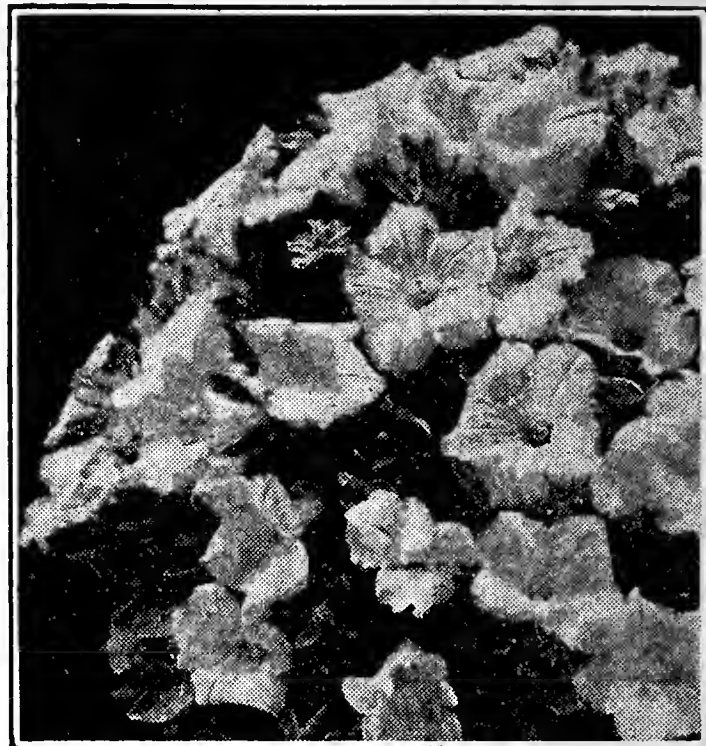
## GREENHOUSE BEDDING PLANTS—Continued



Plumbago



Pansy  
All-America Mixture



Petunia, Rose Gem

**NIGHT BLOOMING JASMINE.** Great at night with its double cream-white flowers. Each, 20c; 3 for 55c. By mail, each, 30c; 3 for 75c.

**CONFEDERATE JASMINE.** Produces large white very fragrant blooms. Each, 25c; 3 for 65c. By mail, each, 35c; 3 for 90c.

**LANTANAS, Bush.** These do exceptionally well in sunny beds or as pot plants. Each, 10c; doz., \$1.00. By mail, each, 15c; doz., \$1.20.

**LANTANAS, Weeping.** A graceful drooping plant with aromatic odor and purplish pink flowers. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**LOBELIA.** Beautiful bright blue flowers, graceful and excellent for baskets or boxes. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**MARIGOLD, Dixie Sunshine (Crown of Gold).** Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**MOONFLOWER.** Plants ready April 10th.

M., grandiflora alba. White.

M., coerulea, Heavenly Blue.

Above two varieties: Each, 10c; 12 for 75c. By mail, each, 15c; 12 for \$1.00.

**OLEANDERS.** Stately, beautiful plants for tubs; flowers pink, very attractive. Each, 60c; by mail, 70c.

**PETUNIAS.** Good plants from 2½-inch pots; all the best varieties for bedding and borders.

P., Blue Bedder.

P., Dwarf White.

P., Flaming Velvet.

P., General Dodds. Red.

P., Rose Gem. Pink.

P., Rose of Heaven. Pink.

P., Rosy Morn. Pink, white eye.

P., Viola cea. Violet.

P., Royal Purple.

Price, any of above Bedding Petunias: Doz., 60c; 100, \$4.00.

By mail, doz., 75c; 100, \$4.50.

### SPECIAL PETUNIAS.

**Fluffy Ruffles.** Ruffled pink, large, single.

**World's Beauty.** Double, carmine-pink.

**Variegated.** Double striped.

Above three varieties: Doz., \$1.00; 100, \$7.50. By mail, doz., \$1.25; 100, \$7.90.

**SPECIMEN POTTED PETUNIA PLANTS.** Double varieties. Each, 35c and 50c. By mail, each, 50c and 75c.

**PANSIES.** All-America Mixture. Grand, finest, largest blooms in all the most gorgeous colors. Doz., 60c; 100 for \$4.00. By mail, doz., 70c; 100 for \$4.50.

**PHLOX, Annual.** A grand selection of this popular annual. All dwarf compacta type. Pink, red, yellow, and white. Each, 10c; doz., \$1.00. By mail, each, 15c; 12 for \$1.20.

**PELARGONIUMS.** Fiery amaranth-red with five large regular shaped spots. Each, 50c; 3 for \$1.35. By mail, each, 65c; 3 for \$1.70.

**PLUMBAGO, Capensis.** Well-known favorite sky-blue flowers. Each, 10c; 12 for \$1.00. By mail, each, 15c; 12 for \$1.20.

**ROSE GERANIUMS.** Fragrant foliage with clusters of small blue flowers. Each, 20c; 12 for \$1.50. By mail, each, 25c; 12 for \$1.80.

**SALVIAS (Scarlet Sage).** Height 15 inches. Attractive red flower spikes. Each, 10c; doz., 75c. By mail, each, 15c; doz., 95c.

**SULTANA.** Attractive and showy house or bedding plants. Each, 10c; 12 for 75c. By mail, each, 15c; 12 for 95c.

**SNAPDRAGON PLANTS.** Showy beautiful varieties, all colors, rust-proof type. Each, 10c; 12 for 75c. By mail, each, 15c; 12 for 95c.

**TORENIA.** Fine hotbed plants with pale blue flowers. Also fine as a bedding or edging plant. Each, 10c; 12 for 75c. By mail, each, 15c; 12 for 95c.

**VINCAS (Periwinkle).** Attractive, blooms all summer. Colors rose-pink and white. Each, 10c; 12 for 75c. By mail, each, 15c; 12 for 95c.

**V., Vines.** Variegated foliage. Each, 15c; 12 for \$1.50. By mail, each, 20c; 12 for \$1.80.

### MISCELLANEOUS PLANTS

**HELIOTROPE.** Each, 10c; 12 for \$1.00.

**CANNA PLANTS.** Red and pink. Each, 10c; 12 for \$1.00.

**CORAL REEF VINE.** Each, 35c; 12 for \$3.25.

**LEMON VERBENA.** Each, 20c; 12 for \$1.75.

By mail, add 5c each; 12 for 25c.

**VERBENAS.** A fine selection of this most popular bedding plant.

V., Beauty of Oxford. Crimson-pink.

V., Royal Purple. Deep purple.

V., Defiance. Brilliant red.

V., Lavender Glory. Lavender.

V., Seafoam. Pure white.

V., Venosa. Creeping purplish blooms.

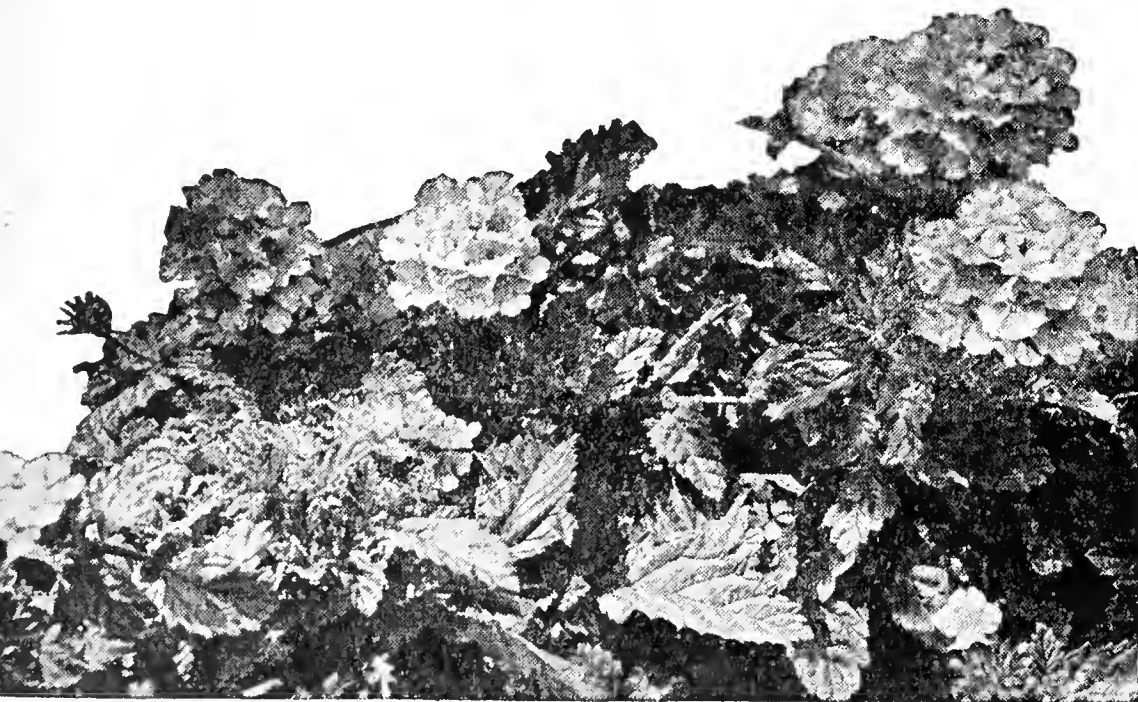
Price, any of above: Each, 10c; 12 for 75c; 100 for \$5.00. By mail, each, 15c; 12 for 95c.

**HANGING-BASKETS.** Filled with the best varieties of plants for summer blooming.

Filled. 10 inch. Each, \$1.00 to \$1.50.

Filled. 12 inch. Each, \$1.50 to \$2.50.

By Express only.



Verbena, Beauty of Oxford



# Field Seeds When to Plant How Much to Plant

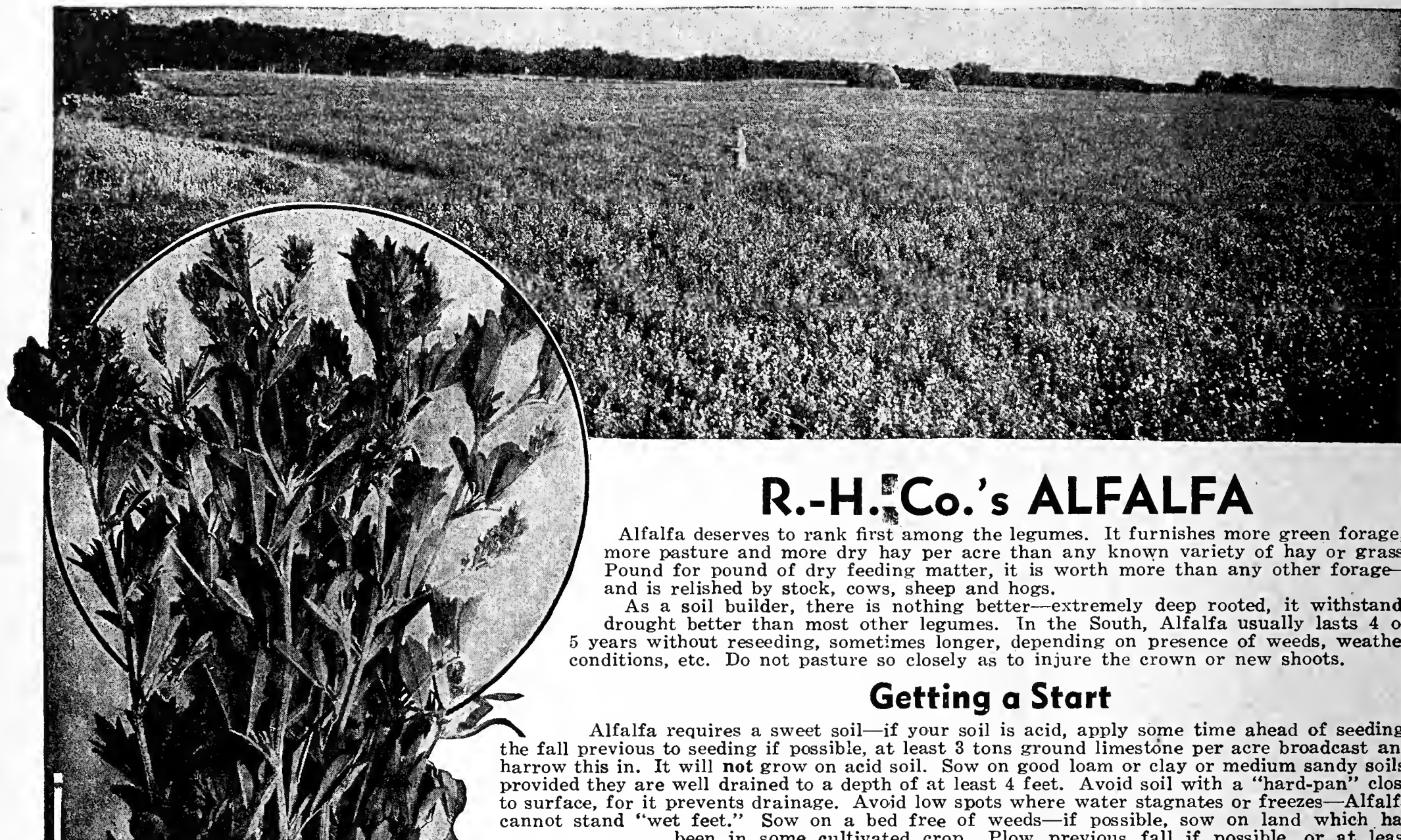
Variety	When to Plant	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to Plant	Pounds to the Bushel
Alfalfa	Mar., Apr.—Sept., Oct.	25 to 30 lbs.	Broadcast	Broadcast	¾ to 1 in.	60 lbs.
Artichokes, Jerusalem	Mar., April, May	3 to 4 bus.	3½ to 4 ft.	15 to 18 ins.	4 ins.	50 lbs.
Barley	Sept., Oct.	1½ bu.	Broadcast	Broadcast	2 ins.	48 lbs.
Beet, Mangel Stock	March, April, May	6 to 8 lbs.	18 to 24 ins	8 ins.	1 in.	30 lbs.
Broom Corn	April, May, June	6 to 8 lbs.	3½ ft.	8 to 10 ins.	1 in.	46 lbs.
Buckwheat	May, June, July	1 bu.	Broadcast	Broadcast	1 in.	50 lbs.
Beans, Navy Field	May, June, July	1 to 1½ pks.	4 ft.	6 to 8 ins.	1 in.	60 lbs.
Chufas	April to June	1 pk.	3 ft.	15 to 18 ins.	2 ins.	44 lbs.
Clover, Alsike	Mar. to May—Sept.	6 to 8 lbs.	Broadcast	Broadcast	¾ to 1 in.	<b>60 lbs.</b>
Clover, Burr	Aug., Sept., Oct.	30 to 40 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Clover, Burr, in Cotton rows	Aug., Sept., Oct.	20 to 25 lbs.	Side of row	3 to 4 ins.	½ in.	10 lbs.
Clover, Crimson	Aug., Sept., Oct.	15 to 18 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Hop	Feb., Mar., Apr.—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Clover, Sweet Melilotus	Mar., Apr.—Sept., Oct.	15 to 25 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Clover, Mammoth Sapling	Mar., Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Red	Mar., Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, White Dutch	Feb., Mar.—Sept. Oct.	4 to 6 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Cow Peas, in Drills	Apr., May, June, July.	½ to 1 bu.	18 to 24 ins	2 to 3 ins.	2 ins.	60 lbs.
Cow Peas, Broadcast	Apr., May, June, July.	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
Corn, Field	April to August	4 to 6 qts.	3½ to 4 ft.	18 to 24 ins.	2 ins.	56 lbs.
Crotalaria	April, May, June	12 to 15 lbs.	Broadcast	Broadcast	½ to ¾ in.	40 lbs.
Crotalaria, Drilled	April, May, June	5 to 6 lbs.	2 ft.	10 to 12 ins.	½ to ¾ in.	40 lbs.
Cotton Seed	April, May, June	1 bu.	3½ to 4 ft.	12 to 15 ins.	¾ to 1 in.	32 lbs.
Egyptian Wheat, Shallu	May, June, July	10 to 12 lbs.	3½ ft.	12 to 15 ins.	1½ to 2 ins.	50 lbs.
Feterita	May, June, July	6 to 8 lbs.	3½ to 4 ft.	4 to 5 ins.	1½ to 2 ins.	50 lbs.
Kaffir Corn	May, June, July	6 to 8 lbs.	3½ to 4 ft.	4 to 6 ins.	1½ to 2 ins.	50 lbs.
Hegari	April, May, June	8 to 10 lbs.	3½ to 4 ft.	4 to 6 ins.	1 to 1½ ins.	50 lbs.
Grass, Bermuda	April to June—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
Grass, Blue	Feb. to April—Sept., Oct.	60 to 75 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Carpet	March, April—Sept.	20 to 30 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Grass, Dallas	March, April, May	8 to 10 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Grass, Lawn	Feb., Mar.—Sept., Oct.	60 to 75 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Orchard	Feb. to Apr.—Sept., Oct.	20 to 24 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Red Top, Herds	Feb. to Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Pasture	Feb. to Apr.—Sept., Oct.	30 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Winter Rye	Sept., Oct., Nov.	100-150 lbs.	Broadcast	Broadcast	½ in.	24 lbs.
Grohoma	April, May, June	4 to 5 lbs.	3½ to 4 ft.	8 to 10 ins.	1 to 1½ ins.	50 lbs.
Lespedeza, Japan Clover	Feb., Mar., April	1 bu.	Broadcast	Broadcast	¼ in.	25 lbs.
Lespedeza Sericea	April, May	20 to 30 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
Lespedeza Sericea, Drill	April, May	3 to 4 lbs.	3 ft.	6 to 8 ins.	¼ in.	40 lbs.
Millet, Hungarian	April to August	1 to 1¼ bus.	Broadcast	Broadcast	½ in.	48 lbs.
Millet, Tenn. German	April to August	1 to 1½ bus.	Broadcast	Broadcast	½ in.	50 lbs.
Millet, Pearl	May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 6 ins.	½ in.	48 lbs.
Millet, Japanese	May, June, July	20 to 25 lbs.	Broadcast	Broadcast	½ in.	50 lbs.
Milo Maize	May, June, July	6 to 8 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
Mung Beans	May, June, July	8 to 10 lbs.	3 to 3½ ft.	2 to 4 ins.	1 in.	60 lbs.
Oats	Feb., Mar.—Sept., Oct.	2 to 2½ bus.	Broadcast	Broadcast	1 to 2 ins.	32 lbs.
Peanuts	May, June	35 to 40 lbs.	3 to 3½ ft.	10 to 12 ins.	2 ins.	22 lbs.
Peas, Stock	May, June, July	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
Peas, Austrian Winter	Aug. to Nov.	30 to 35 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
Peas, Aust. Wint. Cotton rows	Aug. to Nov.	20 to 25 lbs.	Side of row	2 to 3 ins.	2 ins.	60 lbs.
Potatoes, Irish	Feb. to Apr.—July, Aug.	10 to 12 bus.	3 to 3½ ft.	15 to 18 ins.	4 ins.	60 lbs.
Rape, Essex	Feb. to Apr.—Aug. to Oct	6 to 10 lbs.	2 to 3 ft.	4 to 6 ins.	½ in.	50 lbs.
Rye, Common	Sept., Oct., Nov.	1 to 1¼ bus.	Broadcast	Broadcast	2 ins.	56 lbs.
Rye, Abruzzi	Sept., Oct., Nov.	¾ to 1 bu.	Broadcast	Broadcast	2 ins.	56 lbs.
Sagrain	Apr., May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
Sorghum, Drill	Apr., May, June, July	8 to 10 lbs.	3½ to 4 ft.	4 to 5 ins.	1 in.	50 lbs.
Sorghum, For Hay	Apr., May, June, July	50 to 75 lbs.	Broadcast	Broadcast	1 in.	50 lbs.
Soy Beans, Small Seed	Apr., May, June, July	1 bu.	Broadcast	Broadcast	1 to 2 ins.	60 lbs.
Soy Beans, Drill, Small Seed	Apr., May, June, July	1 pk.	3 to 3½ ft.	4 to 5 ins.	1 to 2 ins.	60 lbs.
Soy Beans, Large Seed	Apr., May, June, July	1½ bus.	Broadcast	Broadcast	1½ to 3 ins.	60 lbs.
Soy Beans, Drill, Large Seed	Apr., May, June, July	½ bu.	3½ to 5 ft.	4 to 6 ins.	1½ to 3 ins.	60 lbs.
Sudan Grass	Apr., May to Aug.	25 to 30 lbs.	Broadcast	Broadcast	1 in.	40 lbs.
Sunflower	May, June	6 to 8 lbs.	3½ to 4 ft.	15 to 18 ins.	1 in.	25 lbs.
Timothy	March, April—Sept., Oct.	15 lbs.	Broadcast	Broadcast	¼ to ½ in.	45 lbs.
Vetch, Winter Variety	Aug. to Nov.	20 to 25 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
Vetch in Cotton rows	Aug. to Nov.	15 to 18 lbs.	Side of row	2 to 3 ins.	2 ins.	60 lbs.
Velvet Beans	May, June	¼ to ½ bu.	4 to 5 ft.	2 to 2½ ft.	3 to 4 ins.	60 lbs.
Wheat	Sept., Oct., Nov.	5 pks.	Broadcast	Broadcast	2 ins.	60 lbs.

One acre of land contains approximately 210x210 feet or 43500 square feet.



# Russell-Heckle's Top Notch Field Seeds

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germinating quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.



## R.-H. Co.'s ALFALFA

Alfalfa deserves to rank first among the legumes. It furnishes more green forage, more pasture and more dry hay per acre than any known variety of hay or grass. Pound for pound of dry feeding matter, it is worth more than any other forage—and is relished by stock, cows, sheep and hogs.

As a soil builder, there is nothing better—extremely deep rooted, it withstands drought better than most other legumes. In the South, Alfalfa usually lasts 4 or 5 years without reseeded, sometimes longer, depending on presence of weeds, weather conditions, etc. Do not pasture so closely as to injure the crown or new shoots.

### Getting a Start

Alfalfa requires a sweet soil—if your soil is acid, apply some time ahead of seeding, the fall previous to seeding if possible, at least 3 tons ground limestone per acre broadcast and harrow this in. It will **not** grow on acid soil. Sow on good loam or clay or medium sandy soils, provided they are well drained to a depth of at least 4 feet. Avoid soil with a "hard-pan" close to surface, for it prevents drainage. Avoid low spots where water stagnates or freezes—Alfalfa cannot stand "wet feet." Sow on a bed free of weeds—if possible, sow on land which has been in some cultivated crop. Plow previous fall if possible, or at least several weeks in advance of seeding. Then disc and harrow frequently to set the seed bed—a firm seed bed is desirable as it conserves moisture.

### Planting Directions

Plant in March and April, September and October. May be sown with a grain drill with seeder attachment, with a special Alfalfa drill, a wheelbarrow seeder or a hand seeder. We favor wheelbarrow seeder with 14 foot hopper, putting it down evenly with little chance of blowing by wind. Should be covered to bring it in contact with soil moisture. Sow 20 to 25 lbs. of seed per acre. Many of the most successful growers sow 30 to 35 pounds. Wait until there is sufficient moisture before you plant, then cover about one inch. Some roll the seed in, using corrugated roller or cultipacker. This conserves the moisture and is a great help in getting good stands.

Poor land is not suited to alfalfa, unless well manured, or you can first turn under a crop of sweet clover (that has been inoculated) or soy beans.

Never pasture alfalfa the first season and only lightly the second season. Never graze too closely and never turn stock into it when ground is wet or frozen.

**Cutting Hay.** Cut your hay when blossoms first appear or when in full bloom. If blooming only sparingly or not at all, then cut when new shoots begin to grow on lower part of stems. Hay cut early is more palatable and has higher protein content. Set mower so as not to injure crown.

**Curing Hay.** The less handling of the hay after it begins to dry the more leaves remain, and much of the feeding value is in the leaves. Rake the hay before it becomes brittle and cure it in the cock unless weather is very uncertain. Do not put in barn until well cured.

**Cultivating.** So long as the stand is satisfactory and seems to be making good growth, leave it alone. If, however, crab grass, Alfalfa's greatest enemy in the South, begins to crowd in, a cultivator after each mowing will help to keep down the grass and should not injure the alfalfa in the least. Use a spike tooth or spring-tooth harrow. Do NOT use a disk harrow.

**INOCULATE THE SEED BY ALL MEANS.** If not inoculated, young plants have to depend on whatever nitrogen is available in the soil, usually not a fifth of the large quantity they require. When inoculated, the bacteria soon supply all the nitrogen the plants require and assure a vigorous growth. Lack of inoculation has caused many Alfalfa failures. Use Nitragin, described and quoted on page 58 of this catalog.

## R.-H. Co's Top Notch Western Alfalfa

The United States Department of Agriculture says that a good grade of Kansas Common type of Alfalfa is standard for the South. Where this type of seed is produced, in Kansas and Northern Oklahoma, they have severely cold weather in winters and extremely hot weather in summer, with dry periods and wet spells. Much more unfavorable conditions than our territory has to bear. Repeated tests at our Experiment Stations and actual field results show the accuracy of the department's statement. We have sold hundreds of thousands of pounds all over the South where it has given splendid results.

Our seed this spring are the cream of the crop in Kansas and Northern Oklahoma, bought by our own representatives who spent almost two months in the growing fields last fall when crops were harvested.

## R.-H. Co's Top Notch Hardy Northwestern Alfalfa

The Northwestern states, like Idaho, Nebraska, produce a very hardy type of Alfalfa, due, naturally, to the severely cold winters that Alfalfa must weather there each year. Our Top Notch Northwestern Seed represents our choice of the stocks produced there, based on purity and growth.

### Dakota—12 Alfalfa

Originated in the Dakotas to meet the terribly severe weather conditions prevalent there, where the temperature goes down to 15 or 20 degrees below zero in Winter, with extremely hot Summers in the mountain valleys. This seed has built up a strong resistance to Winter killing, an ability to produce a strong, vigorous, very productive crop of Alfalfa under the most unfavorable conditions.

### Why Inoculate

Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

### Price List of Inoculations

#### NITRAGIN CULTURE

##### For Alfalfa, Red, Alsike, and Other Clovers

½ bu. size, each	.....\$0.30
1 bu. size, each	......50
2½ bu. size, each	..... 1.00

##### For LESPEDEZA

1 bu. size, each	.....\$0.30
2 bu. size, each	......50
5 bu. size, each	..... 1.00



# Russell-Heckle's LESPEDEZA - Japan Clover

## The Alfalfa of the South

Three species of Lespedeza—two annuals and one perennial—should be considered before deciding which to plant. The annuals are (1) Common, with two improved varieties, Tennessee 76 and Kobe, and (2) Korean. The perennial is Lespedeza Sericea.

## Planting Directions

### Sow in February, March, April

Lespedeza grows anywhere in the South. It is the only clover we know of that will grow on acid soils, but it does respond to lime. It grows on worn-out gravelly hillsides, and waste lands where nothing else of value will grow. Naturally, it produces better results on the better soils, except on black buckshot in the delta sections—do not plant it there for it will fail.

Lespedeza withstands drouths that will kill other crops when there is a thick stand before drouth begins. Being a legume it is a valuable soil improver, and thousands of acres of worn out soil have been restored to extreme fertility by sowing Lespedeza, grazing it to hogs and cattle for a year or two then turning under in the fall.

Lespedeza stands heavy grazing, and will increase grazing capacity of pastures by 25 percent. It reseeds itself every year even when severely grazed, but you can kill it out any time you want with a cultivated crop.

Lespedeza hay is nearly as high in feeding value as alfalfa, and is about the most used hay in the South. We have seen yields of five

tons per acre in one season, though two tons is more usual. The better the soil the better the hay yield—moisture is a big factor. The best hay is made when lespedeza is not more than 15 inches high—when taller, it is more stemmy with smaller proportion of leaves. When it is left until a considerable proportion of seed are ripe the resulting hay is of poorer grade.

Lespedeza contains less moisture than alfalfa or red clover, and is therefore more quickly cured. Cutting when about 15 inches high will leave ample time to grow a seed crop before frost. It is an annual making seed every year.

Mixed lespedeza and Bermuda grass hay is often cut—it also combines well with orchard grass and red top—the first cutting is almost all grass, the second pure lespedeza.

Lespedeza can also be sown in the spring on top of fall planted oats. When the oats are cut in dough state, or later for grain, the lespedeza will come on and make a full hay crop, and later on, a seed crop.

**Inoculate all lespedezas—with Nitragin.**

## Korean Lespedeza

Korean is the earliest of the annual Lespedezas, coming up first and growing rapidly, therefore giving earliest grazing of any lespedeza. Grows taller than Common, larger plant and coarser, with broader leaflets. Korean matures earlier than other lespedezas, seed beginning to ripen in September. The only variety suitable for Northern half of the United States. Korean is fine in combination with grain for it will drop seed before time to break the ground to sow grain in the fall. Korean is fine in pasture combinations, and an abundant hay yielder.

## Tennessee No. 76 Lespedeza

This variety is similar to the common or wild variety, except that it is taller and more upright in growth, holding all the branches off the ground, even when the plants stand alone. It is finer stemmed than Korean or Kobe, and grows to the height of nearly three feet under favorable conditions. It blooms slightly later than Kobe and considerably later than Korean or Common. The hay yields made on the West Tennessee Experiment Farms are larger than those of the other varieties.

## Kobe Lespedeza

Kobe has certainly earned a home for itself on Southern farms, particularly where long periods of drought occurred, for Kobe came through these droughts where Common Lespedeza was burned out. This drought resistance is a life-saver to a farmer, and is no doubt due to the very extensive root system and its rank growth, with larger than ordinary leaves. We have seen Kobe 38 inches tall but usually it is 2 to 2½ feet tall. We have seen yields of 4 tons per acre with Kobe. It is excellent for hay and pasture alike. Can be sown with oats, also with orchard grass and red top or herd's grass.

## Common Lespedeza

The original variety, grown all over the South, for hay, grazing and soil building. Not so tall as Kobe and Korean but is a good crop and will always be in demand.

## LESPEDEZA SERICEA The New Perennial Lespedeza

An entirely new type—once planted, it comes back each spring from the crowns like alfalfa, and is often called "The Poor Land Alfalfa." All other lespedeza varieties must be re-seeded or allowed to drop their seed each year.

Sericea has an enormous root system, penetrating often four feet into the soil, with a perfect mat of smaller roots spreading everywhere—you can see what this means as a positive cure for soil erosion. Further it seems to be the answer to a farmer's prayer for a pasture that is drought proof. Sericea pastures in Korea in use for fifty years are better today than ever. The enormous root system is loaded with nodules of nitrogen, adding immensely to soil fertility provided you inoculate when seeding.

Sericea will grow apparently anywhere in the South on almost any type of soil (except Miss. Delta buckshot) without liming or any kind of treatment. Two cuttings of hay and a seed crop may be obtained each year, as high as four tons of dry hay in one season, the equal of alfalfa in feeding value. Sericea is extremely leafy.

Plant only hulled and scarified seed in April or May, after danger of frost is past. This treatment of the seed brings quick germination. If you plant unhulled seed in the spring you won't get 10 per cent germination, so avoid this. For seed crop, plant 4 pounds scarified seed per acre in 2½ ft. rows. The yield is from 300 to 900 lbs. of seed per acre. For hay, sow 20 pounds of scarified seed per acre. Have your seed bed free of weeds, thoroughly plowed, disked and harrowed, cover seed very lightly—you can use a light roller to advantage, firming the soil to conserve moisture.

The first year you will see lots of grass and weeds, but don't give up—the second year Sericea looks much better, and the third year, and thereafter, you have a crop you will be eternally proud of.

Quantity and current prices on all Lespedeza seed are given on our Green Ink List.



Same field of Lespedeza Sericea at two stages of growth



# Russell-Heckle's CLOVER SEED

## Red Clover

(Biennial)

As a soil builder, Red Clover is equal to any; in feeding value, it ranks next to Alfalfa. Should be on every Southern farm that will grow it. Requires a sweet soil, well drained—medium fertile to rich. Plant alone for hay or with Timothy. Fine in pastures, and a splendid soil builder. Sow in March, April, September, October. Be sure to inoculate with Nitragin, if you want best results. Prepare seed bed thoroughly, discing and harrowing, sow seed and roll in with roller or cultipacker; have ground free of weeds.

## Alsike Clover

(Biennial)

Somewhat smaller seed than Red Clover, 6 to 8 pounds per acre enough, about equal to Red Clover hay in feed value, hay a little finer and preferred by stock. Rarely winter kills. Will thrive on poorer soil, and does fine on damp moist soils. Does not require lime, or at least very little. Grown and handled throughout same as Red Clover.



Red Clover

## White Blossom Sweet Clover

(Biennial *Melilotus Alba*)

Good for forage pasture and soil improvement—will grow on almost any Southern soil (even very sandy soils) that contain lime, thriving on land too poor to grow Red Clover or Alfalfa. Resembles Alfalfa when young but grows much larger, almost same rank in feeding value; both as hay and green foliage. Stock seldom relish it at first, but when forced to eat it, soon develop a decided preference for it. Cut it before it reaches the blossom stage—too woody after that. Has a deep-spreading, heavy root system making it a big Nitrogen gatherer and soil improver, provided it is inoculated. Pasture from time plants are 6 inches high—the more stock you turn on it the better, for close grazing encourages its growth, and when tall becomes coarse and unpalatable. Being a biennial, will disappear unless allowed to make seed second fall. Inoculate seed with Nitragin.

## Yellow Blossom Sweet Clover

(*Melilotus Officinalis*)

The Yellow Blossom type is very similar to that of the White Blossom. For those who wish to use Sweet Clover for pasture, hay and bee purposes, we would advise the use of the Yellow Blossom type.

## White Dutch Clover

(Perennial)

Creeping in type, not adapted for hay but excellent in lawns and should be in all pastures. Much relished by stock, and high in protein. Does not cause bloat, comes out very early in spring without interfering with other grasses, thrives under trampling. Sow 1 or 2 lbs. per acre in your pasture mixture.

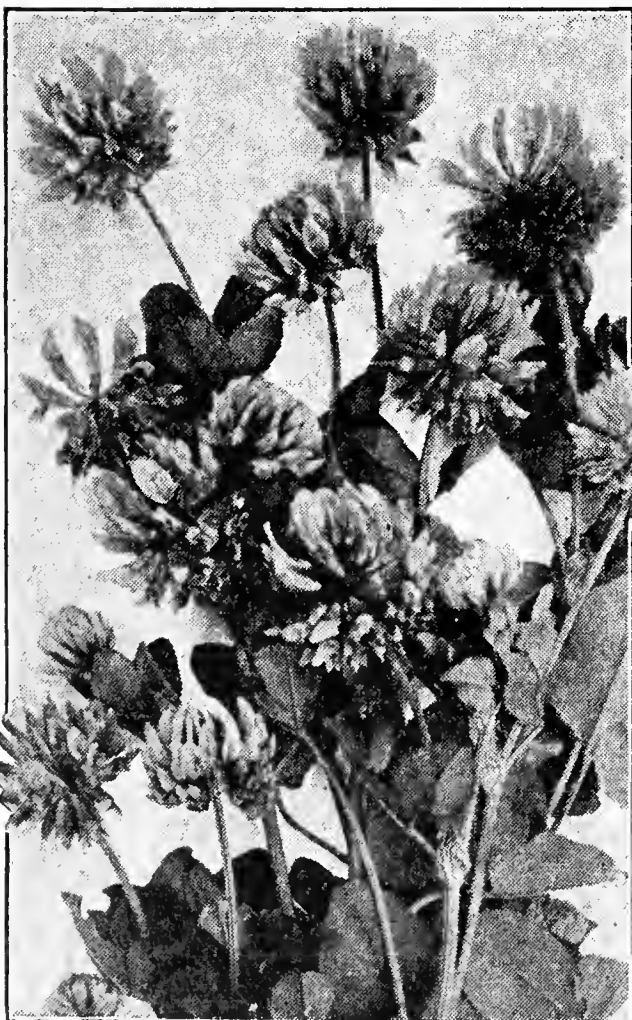
## Mammoth or Sapling Clover

Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre.

## Crimson Clover

(Annual)

Sow 12 to 15 pounds in August and September in South, cut for hay in early bloom stage next spring, which is best time to turn under for soiling crop. Also furnishes large amount of Nitrogen in soil if properly inoculated. Use Nitragin.



Alsike Clover



Sweet Clover

## Hop Clover, or Yellow Hop

(Annual)

This clover will be found growing wild over a good portion of the South, and is very valuable in all pastures. Hop comes out very early in the spring and lasts until mid-summer, when Bermuda Grass and Lespedeza take up the job of furnishing pasturage. Grows about 6 to 8 inches high, is very similar to lespedeza but a little more upright and has a yellow blossom instead of lespedeza's purple bloom. It is the earliest and fastest growing clover adapted to the South. Clays and loams that are not constantly wet satisfy it best. Sow 1 to 3 pounds per acre in your pasture mixture.

## Black Medic

Grows all during the winter and is just the thing to build up run-down soil and will improve the yield of crops that are planted on the land the following spring. Sow in March, 18 to 20 lbs. per acre.

## New Early Giant Burr Clover

Exceeds all other varieties as it attains a height of 4 to 5 feet while Common Burr grows only 1 to 1½ feet and besides it is 3 to 4 weeks earlier in growth, blooming and maturing of seed. It succeeds on any loamy sandy soil. As a cover crop for turning under, you can't beat this new Giant type of Southern Burr Clover.

Sown in July, August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring, acts as a splendid fertilizer. Sow 40 pounds of burrs to the acre. In cotton middles for cover crop or pasture, sow 30 lbs. to the acre and you can harvest 3 to 4 hundred bushels of seed to the acre.

**Clover Seed Prices.** All prices on Clover seeds are given on our Green Ink List. Write for a copy.

**INOCULATE** Seeds of all legumes—clover seed, and related crops. They will yield far better if inoculated with Nitragin, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.



# Russell-Heckle's GRASS SEED

## Planting Directions

In planting grass seeds the land should first be thoroughly cultivated and pulverized. The seed may then be scattered by hand or with a hand-seeder, such as described in this catalogue. A harrow or rake should then be used, which will mix the seeds with the soil so they will be covered about one-quarter inch deep. If not convenient

to sprinkle, the planting should be done when there is a good season in the ground, and land rolled or dragged after harrowing. This will pack the soil so the moisture will be saved from evaporation and thus cause the seed to germinate, and to nurture the grass until it establishes a good root system.

## Red-Top or Herd's Grass

This grass makes excellent pasturage and a good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass, and once established thickens and improves year after year. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. It can be sown either in the spring or fall.

## Orchard Grass

A long-lived perennial, comparatively deep-rooted, therefore, drought resistant. Splendid in pastures, furnishing about the first green bite in the spring and the last in the fall. Grows well in the shade of orchards and open wood lots. Prefers a well-drained rather light, neutral or sweet soil. Equal in productivity to Timothy, and outlives it—about same feeding value. Cut in full bloom for hay. Sow spring or fall in the South, 21 to 28 pounds per acre on thoroughly prepared pulverized soil, then roll in, making firm seed bed.

## Carpet Grass

**Easily Eradicated by Plowing**

Grows practically anywhere over the South where temperature does not go below ten degrees above, thrives vigorously on any kind of soil if moisture conditions are favorable; even on acid soils and poor sandy soils. Equal in feeding value to Bermuda. May be grazed both earlier in spring and later in fall than Bermuda; stands close grazing and heavy trampling. In fact spreads more rapidly with close grazing. Sow 10 to 15 pounds per acre for pasture. Add 5 lbs. Lespedeza per acre to all Carpet Grass pastures. On golf courses, parks, lawns, sow 20 to 30 pounds per acre. Making a thick leafy sod that improves with close cutting. Sow spring and summer.

## Dallis Grass

Is a perennial, will grow 3 to 5 feet high if not cut. Has a long growing season all over South. Can be cut twice a season, making excellent green feed and hay. Stands close grazing and is not injured by light frost. Hardy, thrives on most soils that are not too dry and sandy, but prefers fairly heavy soils with moist condition. Sow from middle of March to June, 6 to 8 pounds per acre.

## Timothy

A short-lived perennial, usually lasts 3 to 5 years, as the root system is rather shallow, it thrives best on rich, moist bottom lands, and on heavier types of soil—poorly on thin or sandy soils. Prefers sweet soil but does not form a sod. Won't stand close pasturing but is very palatable and will not injure stock no matter how much is eaten. For hay, cut after the purplish blue blooms have fallen, when the seed have formed and are in "milk" stage. Set the mower blade full 4 inches above the ground. Yields 1½ to 3 tons of hay.

Sow spring or fall, 15 pounds alone or 10 pounds Timothy and 5 pounds Alsike or 6 pounds Red Clover. A well worked seed bed rolled before and after seeding is desirable, increasing supply of moisture.

## Kentucky Blue Grass

Adapted for shady locations, and requires rich soil. It will do well where lime is used in the ground. Fine for lawns, also for pasture, where soil is suitable. Sow in February, March and April, also in the fall. One pound sows 20 by 20 feet, or 400 square feet; 80 to 100 pounds to the acre.

## Bermuda Grass

Bermuda delights in sunshine and warmth. It is extensively used in this section for levee work and pasture. The seed should be planted in April, May or June. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, and seed broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm.

## Hulled Bermuda Grass

Is the same Bermuda Grass seed with the outer hull removed. This promotes quicker germination, requiring 8 to 10 days only, as against 20 to 30 days for unhulled seed. Further, only about one-half the amount of seed is required when using hulled seed.



Orchard Grass

**Current and Quantity prices on all grass seeds are quoted on Green Ink List enclosed.**



Timothy



Red-Top or Herd's Grass



## RUSSELL-HECKLE'S GRASS SEED—Continued

### Sudan Grass



Sudan Grass

Sudan is an annual and must be planted over each spring, after the ground has become thoroughly warm. Very quick growing, Sudan can be cut 3 or 4 times each season, depending on moisture present. Ready to cut about 8 to 9 weeks after sowing, when first heads appear, or a little later won't hurt. Let it stand in cocks until thoroughly dry; the stems are very juicy and take longer than leaves to cure. Can be sown with Soy beans or Cowpeas and the mixture makes a well balanced ration. If planted on rich land, will yield splendidly. Sudan hay alone is relished by stock, and is as nutritious as Timothy. Should be planted on fairly rich loamy soil.

As a summer pasture, Sudan has few equals, continuing until frost. It is well to run mower over Sudan before turning stock in it—this will start it to stooling and prevent the whole young plant from being pulled up. Sudan is a splendid milk producer, supporting 1 to 3 cows per acre all summer depending on conditions. Can be cut and fed green also. Plant 10 to 15 pounds in drills, 25 to 30 pounds per acre broadcast.

### Russell-Heckle's Pasture Grass Mixtures

These are composed principally of grasses which ripen together for cutting; but they also contain other grasses which will also add very much to the pasturage yield, in case it is desired to use the fields for pasturage. These grass mixtures afford splendid crops of hay of the finest quality and highest feeding value, and after being cut will give continuous and abundant pasturage till winter comes. May be used for hay exclusively, or for hay and pasturage as needed.

**PERMANENT GRASS MIXTURE No. 1.** For hay or pasture. Recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Meadow Fescue Grass, Red Clover, Alfalfa, etc. Sow 30 to 35 pounds to the acre.

**PERMANENT GRASS MIXTURE No. 2.** Intended for good moist soils, also for grazing as well as hay. Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches use the mower to do so.

**PERMANENT HOG MIXTURE.** Especially prepared for pasturing hogs. Composed of Red Clover, Red Top Grass, Orchard Grass, Alsike Clover, Rape, etc. Sow in February, March and April, also fall, at rate of 20 lbs. per acre.

**TIMOTHY AND ALSIKE MIXED.** Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall, 15 pounds of the mixed seed per acre.

**CHICKEN PASTURE MIXTURE.** A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September, 30 pounds to the acre.

1938 ALMANAC CALENDAR furnished free with orders up to April 1st.  
Ask for your copy.

## Russell-Heckle's Lawn Grass Seed

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 60 to 75 pounds per acre. Rake

seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is 3 inches high it should be cut and rolled, and repeat until the grass has become firm. For small areas use one pound lawn seed to 20x20 or 400 square feet.

### Evergreen Lawn Grass

Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons.

### Kentucky Blue Grass

Adapted for shady locations, and requires rich soil. It will do well where lime is used in the ground. Sow in February, March and April, also in the fall. One pound sows 20 by 20 feet, or 400 square feet; 80 to 100 pounds to the acre.

### Sunny South Lawn Grass

A mixture of regular Lawn Seed and Bermuda grass, especially adapted for open and sunny situations. It will stand hot weather and with frequent watering will make a beautiful green summer lawn. Cut the grass weekly which will cause it to stool and grow off to a solid turf. Sow in March, April and May. One pound to 400 square feet. If weather is dry, water well for good germination.

### Bermuda Grass

The dependable and hot weather grass for lawns. Sow April 15th to September 1st; have ground well prepared and cover seed lightly as seeds germinate slowly. Keep soil well watered until up. If weather is dry, soak ground well three times a week. Sow one pound to 20 by 40, or 800 square feet.

Keep lawn well cut and fertilized. Our hulled Bermuda seed gives perfect and quick results.

Prices on our Green Ink price list.

### Shady Spot Lawn Grass

Only a few grasses will grow satisfactory in the shade. Among the grasses best adapted to this purpose are Poa Trivialis and Red Fescue. These grasses should be the base of all mixtures for shady lawns and woods. Shady Spot Lawn Grass contains a large proportion of these two grasses besides other adapted turf-making grasses that will blend and make a thick velvety sod.

### Winter Rye Grass

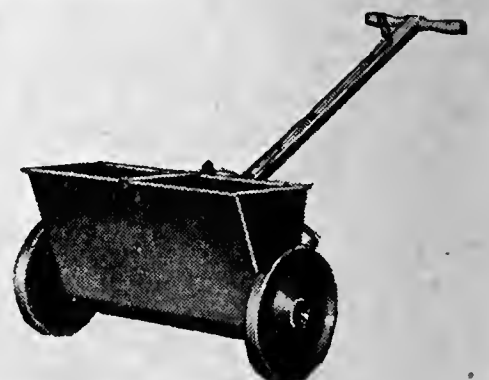
For winter lawns. When sown in the fall, which is the proper season, Winter Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November. For lawns use 1 lb. to 10 by 20 feet.

For prices on all Grass seeds on this page, see our Green Ink List enclosed.

### Lawnette Fertilizer and Seed Distributor

Spreads fertilizer, lime or seeds, evenly and accurately. Saves time, worry and labor. Ideal for sowing on windy days, especially desirable on lawns since it puts down the fertilizer properly and evenly. It is equipped with gauge, etc., for controlling proper quantity to use. Easy running, sturdy machines that will last for years if properly taken care of. Made in 2 sizes.

No. 15—14" wide ..... \$2.90  
No. 215—24" wide ..... 9.50





# SAGRAIN

Grows on land you can't plant to other crops; thrives in low places that usually drown out. Produces from 8 to 20 tons silage, or if left to ripen will produce from 50 to 75 bushels grain (about double corn yield), and 4 to 8 tons cured hay; has heads like Kaffir. Usually weighs about 7 ounces and the average ear corn weighs 8 ounces. In feeding value has 90% value corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Will then be ready to harvest when the crops are laid by, usually along about August 1. Splendid in combination with Biloxi Soy Beans.

Plant in 3½-foot rows. Cultivate a couple of times and thin out, leaving a stalk every 8 inches apart. Use a common sorghum or pea plate. We do not recommend broadcast planting. Can be best harvested with corn binder, shocked like oats until cured. Six to eight pounds will seed an acre, planted in 3 to 3½-foot rows. From each seed planted you get from 6 to 10 heads of grain as it stools out and should be left very thin in drill.

**303-37.** An improved strain, a dwarf selection of the original Sagrain, with heavier head. Stalks grow stocky, dwarf and very uniform. You will find it a great improvement over the regular strain.

Prices on Green Ink List enclosed.

## R.-H. Co.'s MILLET

Nothing pays better for a stock raiser or dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late that corn will not mature, Millet is invaluable.

### Tennessee German Millet

Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1½ to 2 bushels an acre broadcast. Plant from April to August.

### Japanese or Barnyard Millet

Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to corn fodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or sow in 15-inch drills and cultivate until it is 18 inches high.

### Pearl or Cattail Millet

One of the greatest and best yielders of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed; three to four cuttings may be had. Sow thinly in rows 3 feet apart at rate of 8 to 10 pounds per acre.

Prices on Green Ink List enclosed.



Sagrain 303-37

## R.-H. Co's Seed Oats

**Culture**—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If the soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half mature.

### Early Burt or Ninety-Day Oats

Probably the earliest maturing of all Oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early plantings can be cut in time to put the same land in corn, cowpeas, soy beans, peanuts, cane, millet, or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

### Appler Oats

This is another development from an improvement over the old original Red Rust-Proof Oats. Its productiveness, probably more than any of its other good qualities, has contributed to its wide popularity. They stool out splendidly, have large, full heads, fine, plump grains and strong straw that stands about three feet high. It has plump grains and exceptional heavy weight; the weight per measured bushel averaged 35 pounds, often reaching 37 pounds, and almost never falling below 32 pounds.

### Fulghum

A rust-proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 3 feet high.

Treat all seed oats before planting with New Improved Ceresan.

### Kanota Oats

Bred at Kansas Experiment Station; named for three states, Kansas, Oklahoma, Texas. Bred from an improved strain of Fulghum, and often called Kanota-Fulghum. A splendid variety, early in maturity, always a big advantage; an exceptionally heavy yielder of both grain and straw, with uniform plump, heavy berry. Quite resistant to cold and for that reason much sought after for fall planting.

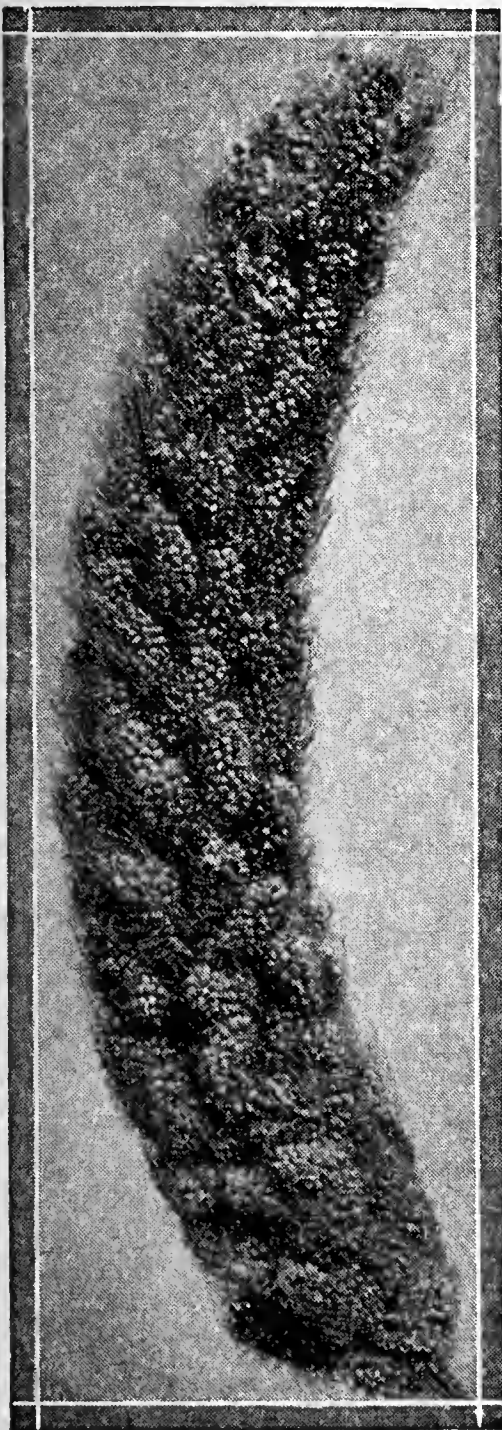
### Red Rust-Proof Oats

For years the standard in the South. Thousands of acres are planted to Red Rust-Proof Oats each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down South. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground.

### Extra Heavy Oregon-Grown Winter Turf Oats

By far the heaviest oat we ever handled. The U. S. Department of Agriculture recommended to us the Oregon Winter Turfs when the Tennessee stock "ran out." The Oregon Winter Turfs are heavier yielders of both grain and hay, they stool much more heavily than any other oat, therefore, are unsurpassed for grazing during the winter and spring. You will be delighted with results if you plant them. Probably the most resistant to winter killing of all our oats.

See Green Ink List enclosed for present prices on Seed Oats and Millet.



Millet





Field of Laredo Soy Beans

# RUSSELL-HECKLE'S SOY BEANS

*They Make Poor Land Good—They Make Good Land Better*

They make a rich and nutritious hay and one of the cheapest. The beans always find ready sale at the oil mills and for planting. It is one of the South's most economical soil improvers. They require no fertilizers except acid phosphate.

Our location in the very heart of the original and best Soy Bean seed-producing section enables us to supply the finest stock of seed offered anywhere at especially advantageous prices, quality considered. When you buy from us, you buy direct from Soy Bean headquarters. We grow and handle many thousand bushels of Soys every year.

**Inoculate.** Be sure to inoculate the seeds with Nitrugin. Not only will you have assurance of a surer stand, but a better crop, and the succeeding crop will have the benefit of the nitrogen stored in the bean roots.

**CULTURE.** Soy beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre; in drills about a peck to the acre. Plant in April, May or June.

## Avoyelles

Developed in Louisiana, grows very similar to Ootootan, sometimes called Improved Ootootan, seed are much larger—the worms past year in Louisiana did no damage to Avoyelles but ruined the Ootootans.

## Biloxi Soy Beans

An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The beans do not shatter, will stay in the pods until February. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth; sow seed broadcast at rate of two bushels to an acre. In drills, sow ½ bushel to the acre.

## Delsta

Very stout, erect, short and bushy, splendid for combination with corn. Plant thick for hay. Very prolific, beans little larger than Mammoth Yellow and shatter much less

## Laredo Soy Beans

One bushel will plant 6 to 8 acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to 12 acres. They should not be covered deeper than 1½ inches; a half-inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredo March 25th to April 10th with a wheat drill on oats planted the previous fall. This drill helped instead of hurting the oats, and the beans were not large enough when the oats were harvested to interfere with the binder. Sow seed broadcast at rate of one bushel per acre; when sown in drills sow about 1 gallon or 2 gallons per acre.

### PRICES — NITRUGIN INOCULATION FOR SOY BEANS AND COW PEAS

1 bu.— 60-lb. size . . . . .	\$0.30	10 bu.— 600-lb. size . . .	\$1.60
2 bu.—120-lb. size . . . . .	.50	25 bu.—1500-lb. size . . .	3.00
5 bu.—300-lb. size . . . . .	1.00		

— Specify Crops When Ordering —

Quantity and current prices on all soy beans are given on our Green Ink List.

## Mammoth Brown

A fine big-foliage variety, succeeds well in this section; won't shatter. The plant is upright, with heavy branches; a big yielder of beans and foliage. Does well on all soils. It is a medium early variety; matures its beans in about 110 days.

It should be planted in rows 3 to 5 feet apart and 8 to 10 inches in the row; sow 10 to 12 pounds to an acre. Mammoth Brown Soys grow 4 to 5 feet high and are covered with a dense mass of foliage that does not shed easily. When sown broadcast, use 1 to 1½ bushels of seed to the acre.

## Mamloxi (Mammoth-Biloxi Hybrid)

Developed at Stoneville, Miss., Experiment Station. Is erect in growth, upright, very prolific yielder of beans, and very fine for combination with corn, and soil building. Good for hay, if planted thick. Matures about with Mammoth Yellows but shatters very little. Seed yellow with some brown markings.

## Mammoth Yellow Soy Beans

Valuable for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean and hay; sow seed in May broadcast at the rate of two bushels to the acre; when planted in drills use ½ bushel seed to the acre.

## Mamredo Soy Beans

Produced from a hybrid of Mammoth Yellow and Laredo Soys at Delta Branch Ex. Sta. Shatters comparatively little, upright bushy plant, splendid for grazing and hay; its extra earliness is very valuable. Each of the characteristics is desirable; try some of these sure.

## Ootootan Soy Beans

Few Soy Beans can equal Ootootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet or more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut. Planted in 3-foot rows, they will cover the land with a mass of foliage. Plant one gallon per acre in corn.

## Tokio

Maybe a few days earlier than Mammoth Yellow but does not shatter quite so much. Bush type, erect growth; very prolific, and much grown in Tennessee and East Mississippi. Plant thick for hay. Seed greenish color, round.

## Virginia Soy Beans

As it is about 20 days earlier than Mammoth Yellow, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making; sow broadcast one and one-half bushels to an acre; in drills ½ bushel to an acre.





## CROTALARIA Spectabilis

This is truly a marvelous summer cover crop, a yield of 40,000 pounds of green material per acre is not uncommon. The humus produced by such a yield is of tremendous value. More important still, Crotalaria is a legume adding, when turned under, the equivalent of 800 pounds of Nitrate of Soda per acre (3-year test Florida Experiment Station showed 885 pounds average).

Crotalaria has succeeded all over the South, and as far north as Indiana. It is not a host to injurious insects and diseases. It will reseed itself under favorable conditions, but is not a pest and can easily be eradicated. Splendid soil builder in orchards, etc. Fine with corn planted in same rows when corn is planted, or in corn and other farm crops at last cultivation. It will just about double crop yields

following it. It is not offered as a feed crop, or hay crop, though a nearby farmer tells us his mules ate it readily. But it is really too valuable as a fertilizer to feed. It will reclaim worn out hillsides, gullies, etc.

Thoroughly plow, disc and harrow the soil. Sow after danger of frost is past, when moisture is present, 10 to 15 pounds per acre broadcast or five pounds drilled in 3-foot rows, using scarified seed only as with Sericea. Firm the soil immediately after planting to conserve the moisture, cultivate once or twice when planted in rows.

Louisiana (Baton Rouge). Experiment Station for 1929 to 1933 reports 5-year average yield of 22 tons green manure per acre and 169 pounds nitrogen, equivalent to 1000 lbs. 16 per cent Nitrate Soda.

## Mung Beans (Green Seeded)

Mung Beans grow in upright bush form, 2 to 4 feet high according to soil and climatic conditions. They have very heavy foliage, fine leaves and finer stems than any soy beans; a very important feature of Mung Beans is that the foliage is perfectly green and still growing when the seed is ripe and ready to be threshed. The hay cures quickly and may be threshed in 2 or 4 days after cutting, and it retains all the leaves. Threshed Mung Bean hay, properly cured, is equal to Alfalfa hay and is readily eaten by all kinds of live stock. This makes it possible to make from 5 to 20 bushels seed per acre for a money crop, besides obtaining at same time yield of 1 to 2 tons of very best quality hay high in protein. Matures in 70 to 90 days; harvest when majority of pods turn black. Best results with a mower and windrow attachment, or follow mower with side-delivery rake.

Mung Beans are a great soil builder, when properly inoculated. Use Nitratin. Sow 20 pounds seed per acre in 36 inch rows—cultivate until rows grow together too close to permit it.

## Cow Peas

**Culture**—May be sown at any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

**SOWING COW PEAS WITH SOY-BEANS, KAFFIR CORN, SORGHUM, AND SUDAN GRASS.** Cow-peas may be sown with these crops to furnish support and make the harvest easier. Sow half a bushel soy-beans or one peck kaffir corn or sorghum to ten pounds Sudan Grass with one bushel cow-peas to the acre.

**SOWING COW-PEAS WITH MILLET.** New Era and Whip-poorwill are the best kinds to sow with German Millet—one bushel of peas to three-fourths of a bushel of millet per acre. The crop should be cut when the millet is ready. The peas will have reached the dough state by that time and make an excellent combination of large-yielding and most nutritious feed.

**WHIPPOORWILL.** A favorite early bunch-growing variety.

**NEW ERA.** An early, upright-growing variety. Matures early.

**BLACK STOCK.** Large vining variety. Best for thin land.

**CLAY.** Very similar to Black Stock, matures earlier.

**RED RIPPERS.** Vines grow long; make an abundance of hay.

**MIXED.** Preferred by many farmers; they will grow thicker than separate varieties, producing better crop of vines and forage.

**MIXED COW PEAS AND SOY BEANS.** The beans, being of upright growth, support the long pea vines, and not only make the harvesting easier, but the combination of cow-peas and soy beans makes a better hay than either when grown alone, and they are easier to cure.

**LARGE WHITE BLACK EYE.** The dried peas are readily salable as table peas during the winter.

**WHITE, CREAM, OR LADY.** Fine for table use. Very prolific.

**WHITE CROWDER.** An excellent variety for table use.

**BROWN CROWDER.** Clay colored, large size, of fine flavor.

## Early Speckled Velvet Beans

The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre.

In the South, Velvet Beans are used very largely for winter grazing, and for that purpose is one of the best crops for the light soils and the long season of the Gulf Coast and Florida. They should be allowed to grow until December, or until killed by frost, after which they can be grazed through the winter, as the vines, leaves and pods decay very slowly and remain palatable a long time. Early in the year, the crop remaining is plowed under as a soil improver, and adds very materially to the productiveness of the soil.

As a soil improver they are considered superior to cow peas, as they make so much larger growth and so much heavier amount of foliage. The proportion of nitrogen contained in the vines is about the same as cow peas, but as the yield is so much greater, the total amounts of nitrogen and humus added to the soil are correspondingly larger. A crop of three tons will add as much nitrogen to the soil as will a ton of cotton seed meal, while the amount of humus will be three times as great.

## Austrian Winter Peas

Sown for the same purpose as vetch in September and October. Grows much like an English pea, upright and is ready to turn under a little earlier than vetch. Not as winter-resistant as vetch but usually stands 12 degrees above zero. Sow 30 to 40 pounds seed per acre in cotton middles. When sown broadcast with grain use 25 pounds Winter Peas and 3 pecks Abruzzi Rye or 1 bushel wheat or two bushels oats per acre. Be sure to inoculate with Nitratin. Price given in July.

## Winter Sand or Hairy Vetch

One of the best winter legume and green manure crops. Rarely ever winter killed in the South. Grows on almost any well drained soil, thrives on sandy soil, needs a fair amount of moisture to start, but endures considerable drought. Sow in September and October in cotton middles or with rye, wheat, oats, or barley, as vetch grows better if kept off the ground. Can be turned under in time to plant cotton or corn—a wonderful soil builder when inoculated. A fair feed crop and grazing crop. Inoculate with Nitratin. Sow 15 to 30 pounds per acre, not too deep, have surface well worked and compact, also free of weeds. Price made in July.

## Hungarian Vetch

Not as winter-resistant as Hairy, but nearly so. Does not grow as tall as Hairy, but its tonnage will surprise you. Grows off quicker in spring than Hairy, is more disease-resistant, and experiment station reports in Mississippi indicate it stores even more nitrogen in the soil than Hairy Vetch. Seed is cheaper per pound than Hairy, but being larger, you must plant more per acre. Culture same as Hairy Vetch. Be sure to inoculate. Price given in July.

QUANTITY PRICES ON ALL SEEDS DESCRIBED ON THIS PAGE ARE GIVEN ON OUR GREEN INK LIST ENCLOSED



# SORGHUM

**Culture**—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well-drained clay loam, in rows 3½ to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cow peas and soy beans either in rows or broadcast.

## Special Warning on Sorghum Cane

**NON-WARRANTY.** Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time, do not guarantee that they will come true.

All orders for syrup cane varieties are therefore accepted only on these conditions.

## Cane Seed for Sorghum

**JAPANESE HONEY RIBBON CANE.** For making syrup this variety has no equal. It has been yielding from one hundred to two hundred gallons per acre. It makes a syrup of bright amber color and of fine flavor. The stalks grow from 12 to 15 feet high, the seed are carried in a sprangling type head, are red, rather flat shaped and most of the hulls remain on the seed when threshed. With its large foliage makes one of the best varieties for ensilage. For making syrup, cut just before the heads ripen, at which stage the sugar content of the plant is greatest. Japanese Ribbon Cane matures ready for the mill in about 130 to 140 days. We, therefore, advise planting as early in May as possible. One gallon of seed will drill one acre. Cultivate like cotton, leaving plants about 10 to 12 inches apart in the row.

**SUGAR DRIP.** It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. One of the most desirable syrup varieties.

## Cane for Fodder

**EARLY AMBER CANE.** One of the earliest sorghums and furnishes a large yield of most nutritious forage which may be fed either green or cured. If grown with cowpeas or soy beans the quality of the hay is improved and a more balanced ration may be had. The proportions recommended are 15 lbs. Early Amber Cane, ½ bushel of soy beans and 1 bushel cowpeas to the acre broadcast. Grows 10 to 12 feet high. Sow broadcast 1 to 1½ bushels to the acre; 8 to 10 lbs. plants an acre in 3½ to 4-ft. rows.

**EARLY ORANGE CANE.** About 10 days later than Early Amber Cane, but makes a taller and more leafy growth. It is recommended for fodder, of which it yields immense crops, frequently two cuttings a season, and stooling out thicker after cutting. It may be grown with soy beans and cowpeas as recommended for Early Amber Cane and the quantity to plant an acre is the same.

**RED TOP or SUMAC.** Grown extensively in Middle Tennessee. Succeeds well in this section. Very sweet and one of the best for hay.



Japanese Honey Ribbon

## FODDER and GRAIN CROPS

### Yellow Milo Maize

A wonderfully drought-resistant, non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. For fodder and ensilage, cut when in the dough stage; at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for the grain. It grows on all soils from sandy to heavy clay loam. Plant in 3½-ft. rows after the ground is thoroughly warm, and give it the same cultivation you would corn. Six to eight pounds will plant an acre.

### White Kaffir Corn

Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long dry spell may stop its growth, but it starts again with the first rain. The grain as well as the plant makes fine feed for stock, hogs, poultry and pigeons. With Cowpeas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone, 3 pecks to a bushel an acre broadcast; in drills 6 to 8 pounds an acre in 3½-ft. rows. Plant from after the ground is thoroughly warm till early in June.

### Egyptian Wheat or Shallu

The heads are large and heavy. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using 10 pounds of seed per acre; or broadcast, using from 2 to 4 bushels.

### Grohoma

This new forage and grain crop, after thorough trials the past season, was found very satisfactory. Stock of all kinds like it, in fact they eat every particle of the stalk, leaves and head. Plant from April 1st to July 1st in good soil. Make rows 4 feet apart drop seed 12 inches. Since it stools considerably, very little seed is required. Sow 2 pounds to the acre.

### Feterita

Three or four weeks earlier than Kaffir Corn. It is the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre.

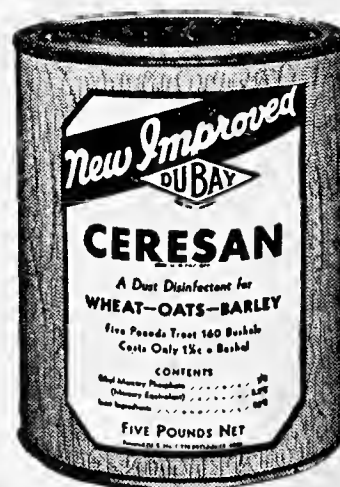
### Darso

Low growing, heavy foliaged, with a large stalk, usually tinged red. On account of its drought-resisting qualities it has become a safe feed crop. Makes excellent silage, grain, and forage. Sow in 3½-ft. rows, 10 lbs. to the acre.

### Hegari

Earlier than Kaffir corn or Feterita, dwarf in growth with large heads of white grains, stands dry weather well. Plant 8 to 10 pounds per acre in drills.

**QUANTITY PRICES ON SORGHUM AND OTHER SEEDS DESCRIBED ON THIS PAGE ARE GIVEN ON OUR GREEN INK LIST ENCLOSED.**



### New Improved Ceresan

Be sure to use it on your oats, barley, sorghum, kaffir corn, sa-grain, etc. It will give better germination and prevent smut in oats, sorghum and all grains.

It requires only 1 pound to treat 32 bushels of oats. The results are really marvelous. Apply as a dust before planting. Ask for circulars.

1 lb., 70c; 5 lbs., \$3.00. Postpaid, 1 lb., 80c; 5 lbs., \$3.20.

### Davco Homogeneous Fertilizers

Are a great improvement over the old form, being in granular form, each piece containing all the elements the crop needs during its growing period; does not cake, flows evenly, therefore, there is no waste with DAVCO.

Circulars all about this new fertilizer on request. Prices on DAVCO FERTILIZER are given on our Green Ink List.





Dwarf Essex Rape

## DWARF ESSEX RAPE

This splendid crop has at last come into its own—larger and larger acreage being planted every year. The reason—it is a most excellent pasture and green forage crop for cattle, hogs, sheep and stock. It is high in feeding value, producing an abundant flow of milk in milch cows (feed rape to milch cows after milking, not before, to avoid slight cabbage flavor to milk).

Experiments show that Rape is a more efficient fattener and more economical feed for hogs than Alfalfa, Clover or Blue Grass. It will stand more cold weather and last longer in the fall than any of the grasses. One acre of Rape will pasture 8 to 10 sheep, other animals in proportion. Turn stock in when plants are 8 inches high. To avoid possibility of bloating, accustom stock to Rape gradually, pasturing after dew is off. Feed dairy cattle and sheep a full feed of grain for the first week or two before pasturing Rape, and provide salt at all times.

Rape can be cut and fed green. Cut about 4 inches above ground, first time when plants are a foot high, just enough for a day's feed at a time. When you expect to cut and feed green, Rape should be planted in rows and cultivated 2 to 4 times.

Rape will grow 1½ to 3 feet tall—grows very rapidly—ready to use in 8 weeks. Prefers a rich mellow soil, will do well on most fairly good soils except sand or stiff clays, needs plenty of moisture to start. Plow deeply, disk well and harrow thoroughly. Can be sown with spring grain or in combination with clover. Sow in drills 4 to 6 pounds—broadcast 10 to 15 pounds per acre, about 1 inch deep. Sow from August through April.

## Seed Peanuts

Prepare the ground well, laying off in rows with a shovel plow; the rows should be 3½ feet apart, and put 2 kernels to the hill, hills about 1 foot apart. One and one-half bushels of unshelled nuts will seed an acre. Crack or break the hull before planting.

**TENNESSEE LONG RED.** Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive.

**IMPROVED WHITE VIRGINIA.** These are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade.

**SPANISH PEANUTS.** Although not as large as other kinds there is no peanut grown that so entirely fills the pod or can compare with it in sweetness and flavor.

## Jerusalem Artichoke

Fine for fattening hogs. They grow just like Irish potatoes. Every hog raiser should grow Artichokes; the hogs will harvest them without cost. Plant in 4-ft. rows any time in March or April, dropping the cut pieces 18 inches apart in the row. They will produce 200 to 300 bushels to the acre. It requires 3 bushels to plant 1 acre.

## Chufas

An excellent hog-feeding crop, fine for light soils. Plant in rows, 1 peck to the acre, in April or May.

## Mammoth Russian Sunflower

Makes fine poultry feed, ensilage, and hog feed. Plant up to July 1st at rate 8 pounds to the acre. Plant and cultivate same as corn.

## Teosinte

Fine forage plant, grows 12 feet high, can be cut often. Plant 4 pounds to an acre in 3-ft. rows, thin to 6 inches.

## Buckwheat

Sow 3 pecks to 1 bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.



Improved White Virginia

## Broom Corn

**BLACK SPANISH BROOM CORN.** Very desirable on account of its good length and its uniformly straight straw and color.

**EARLY JAPANESE BROOM CORN.** Matures 2 weeks earlier than any other sort. Straw is long and of finest quality; sold last fall for \$100.00 and more per ton.

**IMPROVED EVERGREEN BROOM CORN.** An excellent variety of good length; has fine straight straws. Sow in April, 1 gallon to the acre.

**SCARBROUGH DWARF BROOM CORN.** A new variety of Dwarf Broom Corn, the straw is erect, very straight and uniform in length. It always brings top prices on the market.

## Winter Rye

Sow from August 25th until middle of November.

**ABRUZZI RYE.** A distinct variety, far better than any other, in that it grows very much faster and stools much heavier, which means doubling the amount of grazing on an acre. You can start grazing earlier after sowing and keep it up longer. Three pecks to 1 bushel abruzz plants an acre against 5 to 6 pecks of other Rye—this makes Abruzzi cost less to plant, yet you get more in return.

## Winter Barley

Sow from September 1st to November 15th, 1¼ bushels per acre.

**BEARDED.** The Standard for years in the South as a grazing crop and much relished by all stock.

**BEARDLESS.** Bred from bearded and most of beards removed, usually about 85 percent beardless, which makes it better to cut in dough stage for feed. Equally good for grazing.

**FALL PRICE LIST—**Ready September first. Quotes prices on Austrian Winter Peas, Vetches, Seed Barley, Rye, Wheat, Turf Oats, etc. **WRITE US FOR A COPY.**

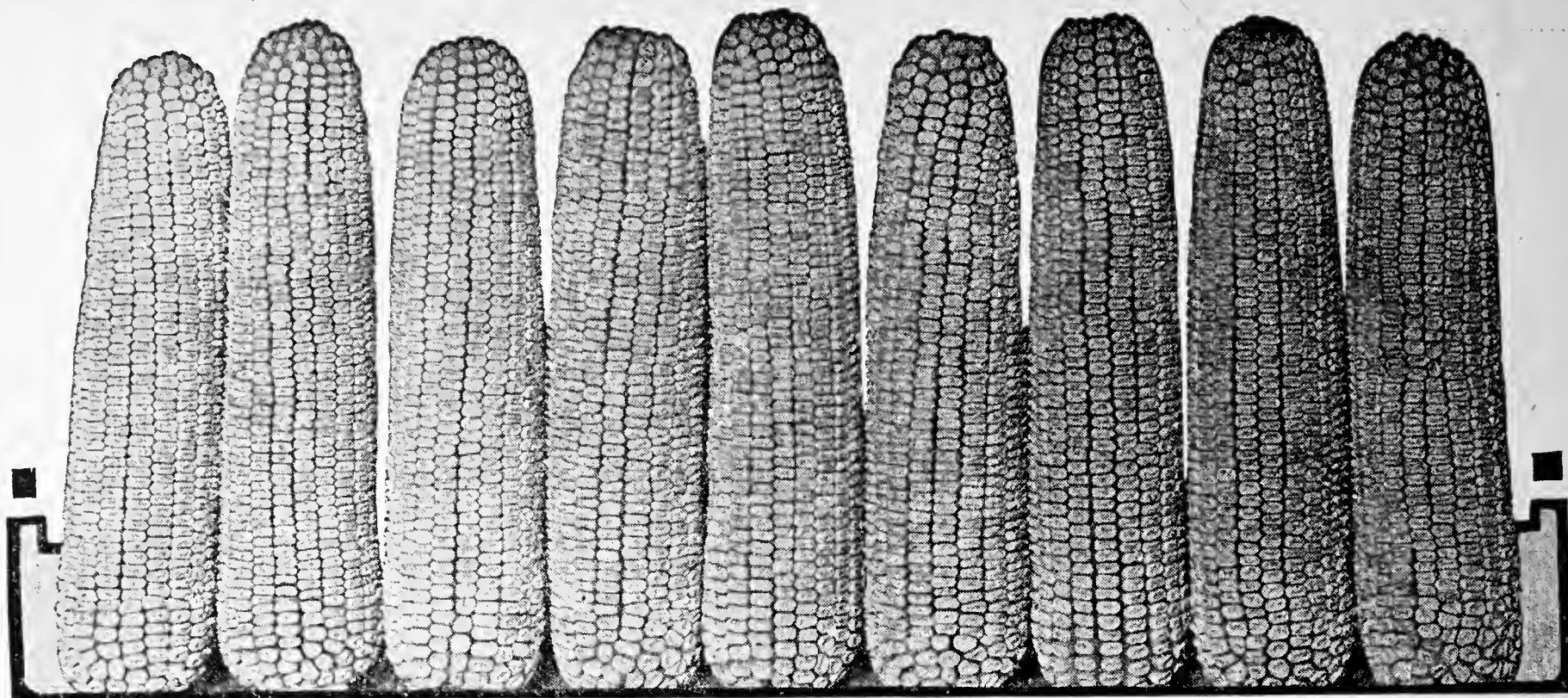


## Cyclone Broadcast Seed Sower

Will sow Timothy, Clover, Lespedeza, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Works perfectly; has an agitating feed plate which insures a uniform flow of seed. Each, \$2.50; by parcel post, \$2.70.

QUANTITY AND CURRENT PRICES ON ALL ABOVE SEEDS ARE GIVEN IN OUR GREEN INK LIST.





R.-H. Co.'s Top Notch Mosby's Prolific

## Russell-Heckle's Field Seed Corn

### Top Notch Brand Corns

#### Early White Cory Prolific

80-day White.

The extreme earliness, 80 days maturity, is most unusual and makes this a most desirable corn. Makes a crop before winter moisture is gone, very effective on buckshot land in the delta where corn must be made early before summer drought gets it.

Two good ears normally, sometimes more, about like Hastings or little larger like Mosby—a splendid producer.

Selected from high-yielding fields of well-matured crops. Every ear hand selected, hand nubbed and hand tipped before shelling, then graded and cleaned. All this selection and handling is done by men who know seed corn. Result—satisfied purchasers and improved crops.

Top Notch Brand seed corns cost a trifle more than ordinary machine-graded corns, and are worth it. If the difference were \$1.00 per bushel, that would be just 12c to 15c per acre additional cost. An additional yield of one peck per acre from Top Notch would equalize that. We believe you can expect 10 to 30 extra bushels per acre with Top Notch.

Seed corn produces best results when planted under climatic and soil conditions similar to those under which it was originally produced. Our seed corn is produced in localities where each variety is at its best. With corn as with other crops no one variety has all the best qualities. No one variety is best suited for all soils and conditions. Plant corn suited to your locality. Southern varieties usually make best yields in the South, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

### Top Notch Mosby's Prolific

One of the most prolific corns in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is pearly white, small cob, deep full grain, neither too hard nor too soft. Matures in 110 to 120 days.

### Top Notch Hastings' Prolific

It will make 2 ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, 4 to 6 ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects. Matures in 120 to 130 days.

### Top Notch North Carolina Prolific

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn.

### Top Notch Paymaster

We endorse this corn as one of the most satisfactory and heavy yielding corns for Southern farms. Bred in Tennessee, its excellence reached the point where 75 percent of all the corn planted in the State of Tennessee is reported to be Paymaster. Paymaster is now planted all over the South. White grain, cob bright red; mostly 2 ears to stalk, ears well filled to end. A tall variety making good ensilage, maturing 100 to 115 days.

### Top Notch Tennessee White Red Cob

An extra large field corn; grains long, white, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. The stalks grow from 8 to 12 feet high, are broad, strong and short-jointed. It makes one of our best ensilage corns. Matures in 120 days.

### Top Notch Hickory King

The white grain is so wide and deep, and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears 2 ears to the stalk.

### Top Notch St. Charles White Red Cob

The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days.

### Top Notch Silver Mine

Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days.

### Top Notch White Dent

White grains, slightly dented, medium size white cob, ears good length, well filled. Maturity 90 days. An old standby for late planting.

1½ CENTS AN ACRE FOR  
**SEMESAN JR.**

REG. U. S. PAT. OFF.  
RETURNS 2 TO 12 BUS. MORE

Is used as a dust disinfectant to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by the Federal and State governments, SEMESAN JR. increased yields from diseased seed by varying amounts up to 38 percent.

NEW IMPROVED SEMESAN JR. is applied only as a dust, at the rate of 3 ounces per bushel of seed. The cost therefore is only about 5c an acre of field corn. Send for SEMESAN JR. Corn Pamphlet with full directions.

Price, 4-oz. tin, 30c; 1-lb. tin., 75c; 5-lb. tin, \$3.25. Postpaid, 35c, 85c, and \$3.45.

FOR QUANTITY PRICES ON SEED CORN SEE GREEN INK LIST ENCLOSED



# Russell-Heckle's Celebrated Harpeth River Seed Corns

## Tennessee Bred and Grown

We are proud of our Harpeth River Seed Corns. They are selected and handled right; they are what seed corns should be, and you will agree when you see them. Each bag is from hand selected ears, hand-nubbed and hand-tipped before shelling, then graded and cleaned, just as we do with our famous Top Notch brand corns.

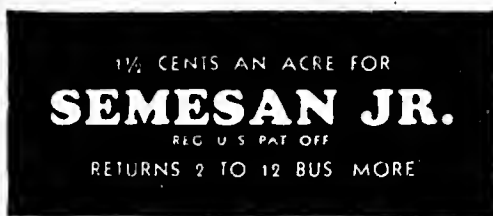
Harpeth River seed corns established a reputation 30 years ago in the days of the late Col. Jo Ullathorne, who first introduced them. They were his pride then—they are ours now.

Harpeth River Seed corns cost a trifle more than ordinary commercial seed corns, and are worth it. If the difference in cost were \$1.00 per bushel, that would be just 12c to 15c additional cost per acre for seed; you should gather 10 to 30 extra bushels per acre with Harpeth River corns, for "like produces like."

Every bag is plainly printed, "Harpeth River Seed Corn." Buy only the genuine. Obtainable in the following varieties (see descriptions under Top Notch Corns):

Harpeth River Champion White Dent.  
Harpeth River Early Yellow Dent.  
Harpeth River Large Golden Dent.  
Harpeth River Hickory King.  
Harpeth River Jarvis Golden Prolific.  
Harpeth River Paymaster.  
Harpeth River Tennessee Red Cob.  
Harpeth River Hastings Prolific.  
Harpeth River Mosby Prolific.

Prices on above are given on our green ink list.



## R. H. Co.'s Golden Surprise

A large Yellow Corn for our Southern farmers. Ears 8½ to 9½ inches long, usually 14 to 16 rows of well-dented grains, grows a stalk 7 to 8 feet high and matures in 90 to 100 days.

Among its excellent qualities are the grains, are very narrow and deep, of a very bright golden yellow color and grains are medium hard, not at all flinty, just hard enough to stand the rainy weather conditions to keep ears from rotting.

Golden Surprise produces well on most any soil—good upland as well as low moist locations. It is a good yielding variety. Each stalk produces 2 good large ears, shells easily, is also often used for an ensilage crop.

## Top Notch Jarvis Golden Prolific

This is one of the finest corns for this section on our list. A natural drought-resisting variety, one of the few varieties of Yellow Corn that produces more than 1 ear. It is hardy enough to withstand any kind of weather in the fall. Crops have been left in the field until early spring and then came out good, sound corn.

A native southern Yellow Corn, carefully bred, and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are bright golden yellow; ears are firm and solid, about 7 to 10 inches long. The grain is medium in size. This is a very productive and desirable variety, and is drought resistant.

Our seed is all carefully selected. It will please you.

## Top Notch Early Yellow Dent

Yellow grains, medium size red cob, ears good length, about 90-day maturity. One of the popular varieties, for late planting particularly.

## Top Notch Gold Mine

A dandy big eared Yellow Corn that succeeds well in this section. Grains medium long, bright yellow and set on medium to large size ear about 8 inches in length. Does well on good uplands. Matures in about 105 days.

## Top Notch Large Golden Dent

Large golden grains, big ear, red cob, medium size. Maturity about 100 days. Extremely popular everywhere.

## Top Notch Mexican June Corn

Our native grown selected strain. This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is a splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob with white and some blue grains. This apparent mixture of color is peculiar to many varieties of Mexican Corn.

## LaGuna Corn

A White Corn that has become very popular, especially for planting in June, for it has early enough maturity for late planting and the drought-resistant qualities necessary for late-planted corns. Good big ears, and a good yielder.

QUANTITY PRICES ON ALL SEEDS DESCRIBED ON THIS PAGE ARE GIVEN ON GREEN INK LIST ENCLOSED

Green Ink List Enclosed

[55]

## Pop Corn

Culture: 1 ounce to 40 feet of row, 4 pounds per acre. After the ground is warm, sow in rows 3 feet apart. Always sow more than 1 row so that the ears will be fully pollinated.

### SOUTH AMERICAN YELLOW DYNAMITE.

This new Pop Corn is beautiful creamy yellow when popped, very large, crisp and delicious. Will be greatly relished by every member of the family.

**BABY RICE or JAPANESE HULLESS.** Ears from 6 to 7 inches long with long rice-colored grains.

We can supply the above varieties. Prices uniform. 1 lb., 30c, postpaid. Not prepaid, lb., 20c.

## Cro-Tox Bird and Crow Repeller

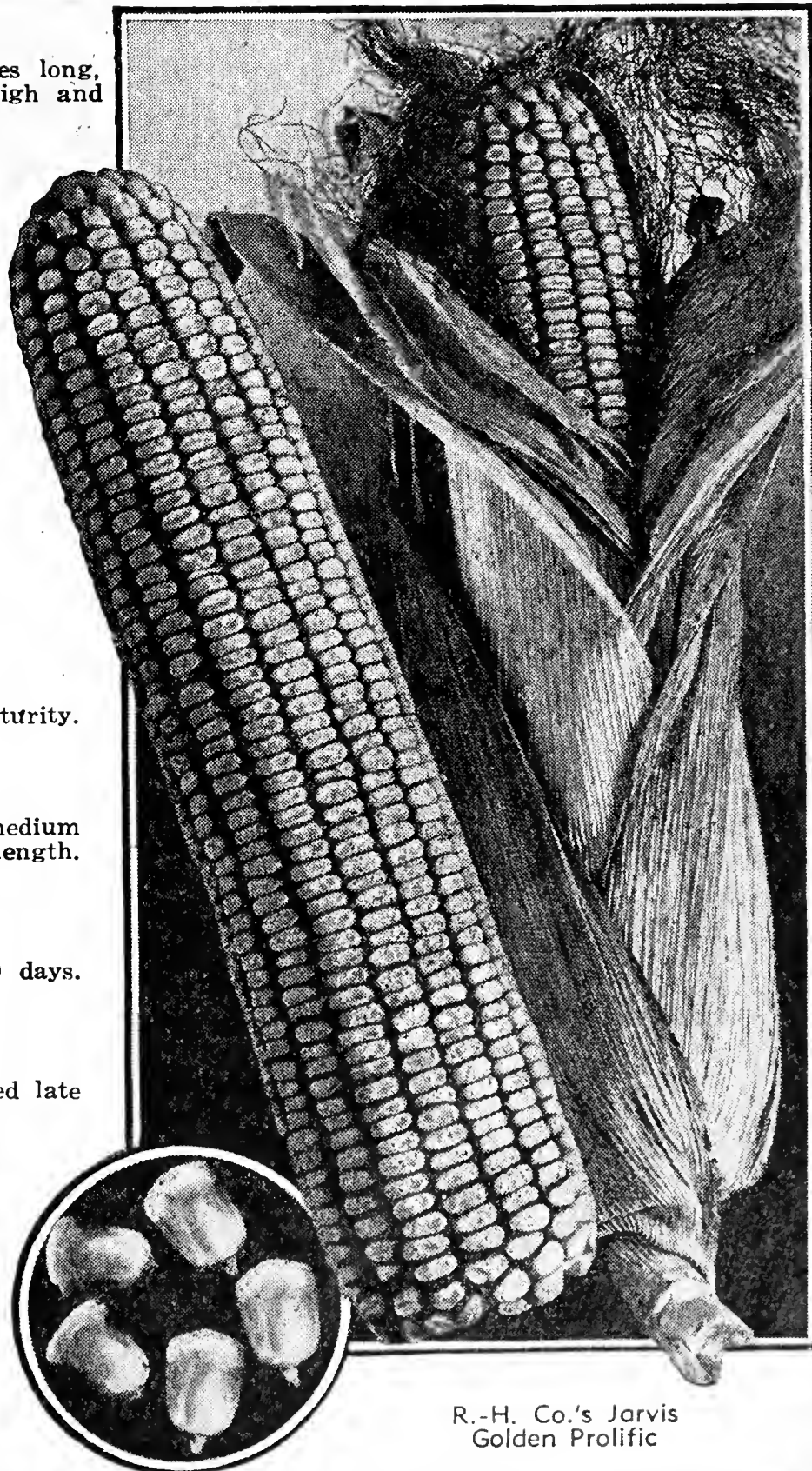
A clear tar-free liquid that will not clog or gum the planter. Corn seed treated with tarless crow repeller, keeps blackbirds, crows, doves, squirrels and moles from molesting it; also prevents seed rot, non-poisonous and non-injurious to the seed, saves seed and replanting. 1 bu. size, 60c; 4-bu. size, \$1.50. Postpaid, 70c and \$1.65.

### HOW TO MEASURE CORN IN THE CRIB

This will apply to crib of any kind. Three cubic feet of sound, dry unshucked corn in the ear will make a bushel.

To get the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib inside of the rail, multiply the length by the breadth and then multiply the product of these two dimensions by the height; then divide the product by three and you will have the number of bushels in the crib.

2½ cubic feet of corn without shucks, equal one bushel of ear corn.



R.-H. Co.'s Jarvis  
Golden Prolific

RUSSELL-HECKLE





# RUSSELL-HECKLE'S

## Pure Bred Cotton Seed



### Pure Bred Seed Are Half the Battle

Higher and higher yields are possible for you if you take advantage of the tireless, painstaking scientific work that is constantly being carried on by the most efficient cotton Experiment Stations in the various States. Old varieties are being constantly improved through new strains, and new varieties are being developed—all of which mean more money in your pocket if you sell your old seed to the gin and plant each spring one of the pure-bred high yielding strains described herein.

We keep constantly in touch with this work all over the South, and as soon as a new variety has proven its worth and its seeds are available in commercial quantities, we offer them to our customers. We buy from breeders direct, and from growers who get breeders' stock and plant an entire plantation in one variety, and gin on their own private gin.

### Machine Culled, Graded and Cleaned

After trying out all the cotton seed cleaners on the market, we felt better work could be done and built one of our own. Results have justified the expense. We take out hulls, loose cotton, trash, dirt, light weight immature seed. You would be amazed at what we remove from a ton of seed, even when the seed looks very clean at first glance.

Therefore, the seed we ship is plump, full weight uniform seed, clean of all trash; easy to plant, no clogging of planter which means a uniform stand of strong, vigorous plants (plump heavy seed produces strong plants, light weight seed produce weak, sickly plants, and we remove them). Our culled and graded seed requires less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.

### Increased Yields Possible

With some form of acreage control or cotton production control in prospect for the next few years, it becomes more and more important to produce the most cotton on the least acreage. You can help a lot by planting winter legumes and turning them under, and by more

thorough cultivation of your growing cotton crop, but bear in mind, first and foremost—pure bred seed is necessary. Treat seed with 2 percent Ceresan and make larger crop.



The Famous Yielding Variety, D.P.L. No. 11-A Cotton

### D. P. L. No. 11-A Cotton

The plantation of the Delta & Pine Land Company of Mississippi, at Scott, Mississippi, is in itself the largest cotton plantation in the world.

In order to improve old varieties and if possible to develop superior new varieties, the Company, 20 years ago, established its own Experiment Station on the property at Scott, Mississippi, in every way comparable with the best government stations.

The culmination of 20 years of seed breeding is embodied in D. P. L. 11-A, hard and wiry staple from 1 inch full to 1 3/32 inch full when grown on better soil; exceptional spinning value, commands substantial premiums, early, storm proof, disease resistant, medium foliage, marvelous lint yield (39 to 44 percent), nice boll, mostly five lock.

### COTTON SEED PRICES

All cotton seed described above are quoted in our green ink list.



## Arkansas Rowden 5056

This strain developed by Arkansas Experiment Station and was outstanding among all the strains tested, leading all strains in yield per acre and leading all in earliness. No wonder it is so much liked and so highly recommended.

Turnout at the gin 35 to 36 percent, extra big boll 64 to pound, length about 1 inch to 1 1/16 inch. Big round bolls make the easiest picking of all cottons, yet extremely storm-proof. Extremely wilt-resistant, a quality much desired and needed more and more each year.

Our seed produced in Mississippi County, Arkansas, rich delta soil; grown from Arkansas Experiment Station seed, privately ginned—beautiful big white seed.

## Coker's 100

In the language of the street there can be said of Mr. Coker: "He's really got something there." Coker writes: "The best producer for rich or highly fertilized land that we have ever offered. Don't plant it on wilt or light sandy soils, but on fertile soil. It makes extra early in fruiting and opening, very small weed, small leaves, well spaced, spreading type with long fruiting branches. Staple 1 1/16 inch to 1 1/8 inch; 36 to 37 percent lint turnout, strong, fine fibered and uniform."

In 1936 (its first year out) 1135 acres in Mississippi delta produced 1335, 500-lb. bales, and the entire crop sold for 200 points on. Amazing yields were made this past year, 1937.

## Delfos 531-A Cotton

An extra long strain of Delfos, 1 3/16 to 1 5/16 inch staple, very uniform, which is most important in extra long staples, which mixture is fatal. Early in maturity, bolls 75 to 80 to pound, picking qualities good, lint percentage 33 to 35, plant medium, vigorous and spreading.

## Missdell 4 Cotton

We agree with the originator of the famous Delfos cottons that Missdell 4 is the best all around staple cotton yet produced; and our strain is an improvement and refinement of the original variety. Our grower produced slightly over a bale and a quarter per acre for 3 years straight on 1100-acre plantation. What a boost for pure-bred seed and this variety in particular.

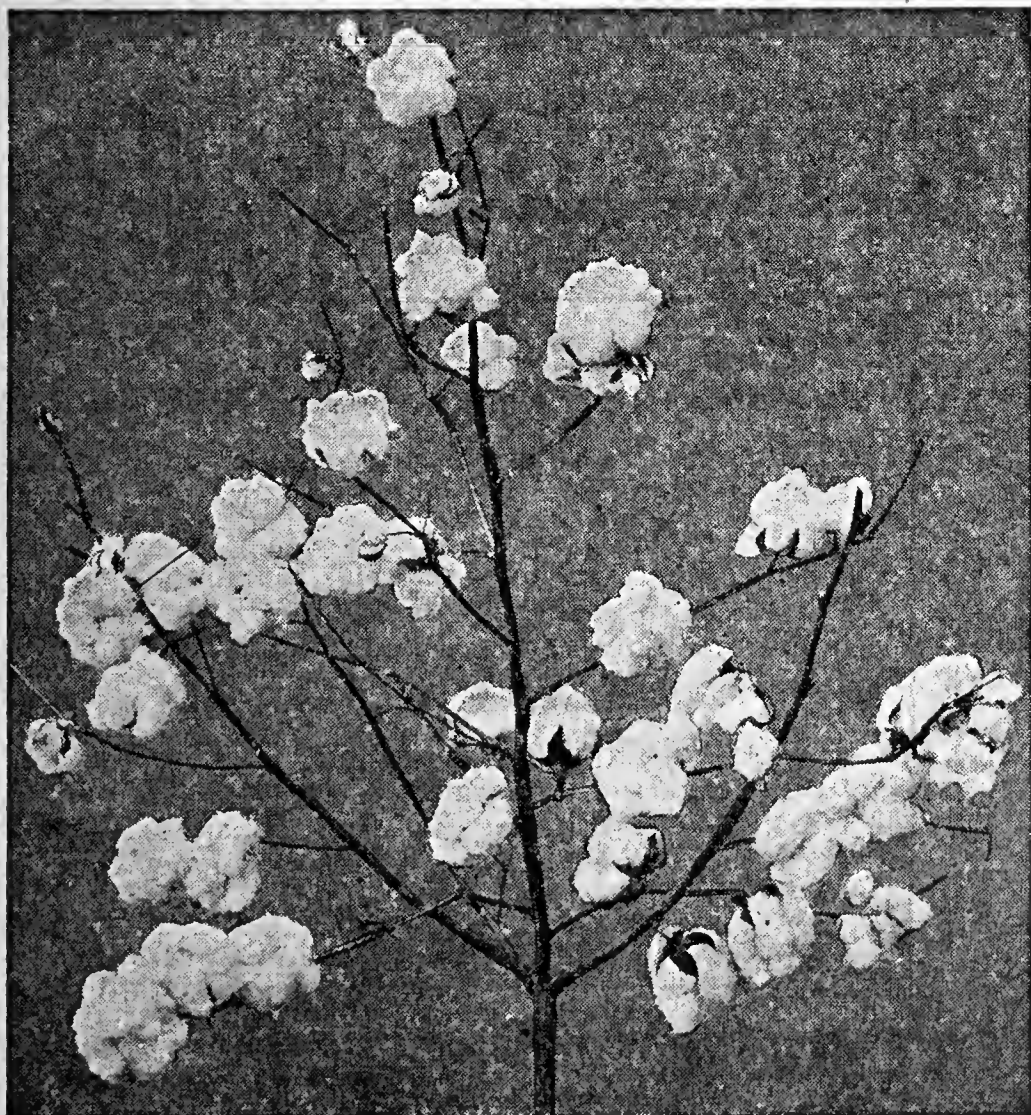
Type dwarf and hardy, and about the earliest cotton grown—gets off quickest of any on heavy black land, where it averages 34 to 37 percent lint percentage and 1 1/8 to 1 3/16 inches length; on hill land 36 to 40 percent outturn and 1 1/32 to 1 3/32 inches staple.

## Stoneville 4-A Cotton

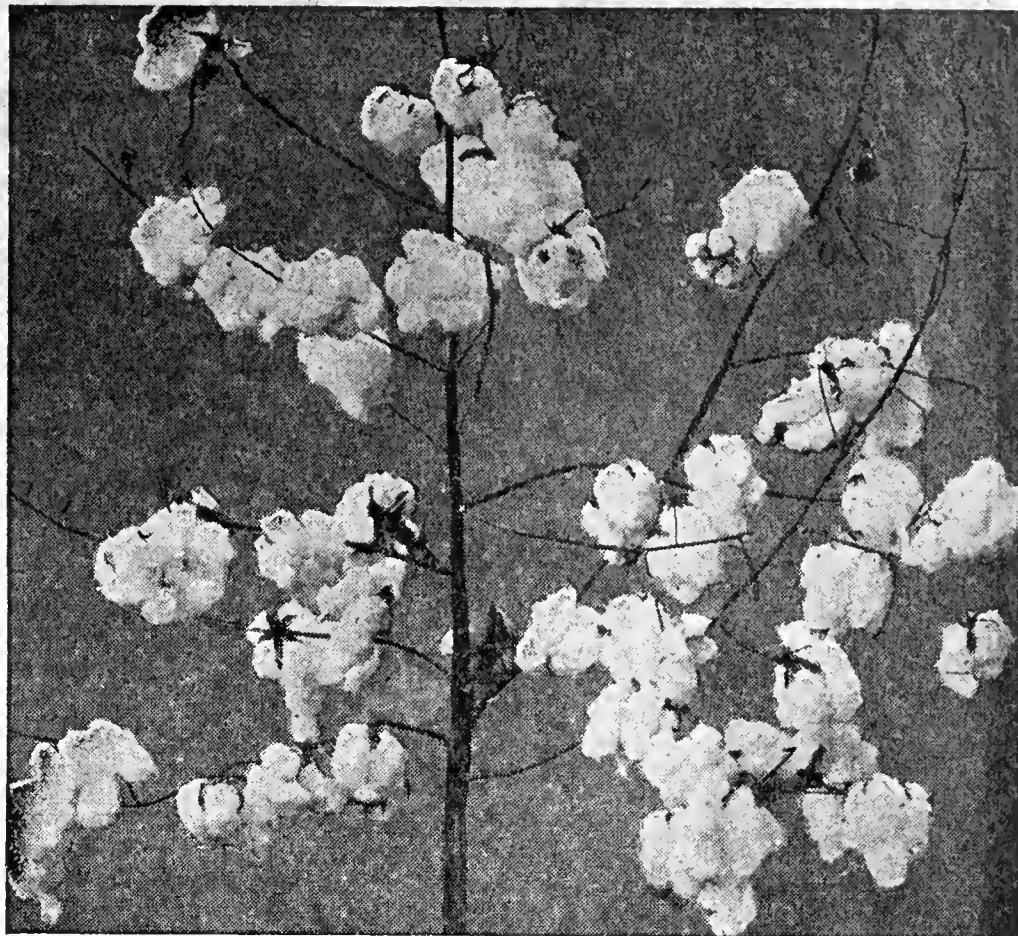
A dwarf, rather spreading plant, extra big, round boll, 50 to 60 to the pound; very prolific yielder, with lint outturn of 35 to 38 on hill land; 33 to 35 on valley land, staple of 1 inch to 1 3/32 inch on good soil, storm proofness excellent, foliage medium, resistant to wilt. Very popular in north half of Arkansas and southeast Missouri. Enormous yields have been obtained on uplands, with narrower rows and reasonably thick spacing, and some fertilizer if very thin soil.

## "Aero" Cyanamid

is the ideal fertilizer for your cotton. It will increase your yields. It is a concentrated fertilizer material, containing 21 percent nitrogen and 70 percent hydrated lime. In other words, 1 ton of AERO Cyanamid supplies 420 pounds of nitrogen and 1,400 pounds of hydrated lime. Prices on request.



Missdell No. 4 Cotton



Stoneville No. 5 Cotton

## Stoneville No. 5 Cotton

An extra early semi-dwarf type, light foliage with large lint outturn, 38 to 40 percent; big boll, 70 to 75 per pound; length, 1 1/32 to 1 3/32, picking qualities good, storm resistance excellent, picks easy, produces a good strong staple on poorest hill lands.

Ranks right close to D. P. L. 11, and one of the best cottons for upland soil conditions. Splendid for North Arkansas and Missouri, popular everywhere.

## Roldo Rowden

This strain developed by Mr. Robt. L. Dortch of Arkansas, and he has reached a high state of perfection. This strain combines extreme earliness for Rowden cottons with very high productivity in the field—the 2 main points in any cotton. Bolls extra big, 60 to 65 to pound, very easily picked, storm resistant and wilt resistant, staple 1 inch to 1 1/16 lint percentage, 34 to 36 percent.

Rowden cotton originally came from Texas—now Texas is importing thousands of bushels of Roldo Rowden from Arkansas—mighty good proof of its excellence.

## Wild's No. 8 Extra Long Staple

Bred by the famous Coker Pedigreed Seed Farms in South Carolina who writes: "Coker's Wilds 8 in our opinion is the longest and best upland staple cotton ever bred." Dwarf plant, open thin foliage; the earliest of all Wild's cottons, looks and grows like short cotton. Large bolls 60 to 67 to pound, open wide, fluff beautifully, yet storm resistant. Note gin turnout 33 to 35 percent, and yet 1 1/4- to 1 1/2-inch staple—uniform, strong, silky, so good that it is being used as a substitute for Egyptian cotton.

Our grower averaged over a bale per acre on 800 acres last year—got over 18c per pound for strict middling—10c per pound premium. Think of it!

## Summerour's Half and Half

Direct from the originator in his own printed bags—every bag already treated with 2 percent Ceresan.

So many requests came to us from our customers for the originator's seed that in 1936 we put it in stock, and in spite of its high price we had orders for over 3,000 bushels—more than we could supply. We will therefore stock it again this year. Order early so you won't be disappointed; we sold out last year before season had half started.

Here is Mr. Summerour's brief description:

"It has a strong, vigorous stalk, with medium size leaves and many fruit limbs which begin to fruit early and rapidly. It opens as early as the earliest types. The bolls are medium size, mostly five lock, averaging from 55 to 60 per pound. Most of the bolls are round like a ball. The seeds are very small and will plant a great deal more per bushel than most other varieties. It is a hardy cotton; stands the cold spring better than the average cotton, and on account of its extra-rooting system, its drought-resistant qualities are remarkable." Gin turnout 46 to 52 percent.

## 2% Ceresan

Dusting cotton seed with 2 percent Ceresan increases the yield. It makes working acres out of loafing acres.

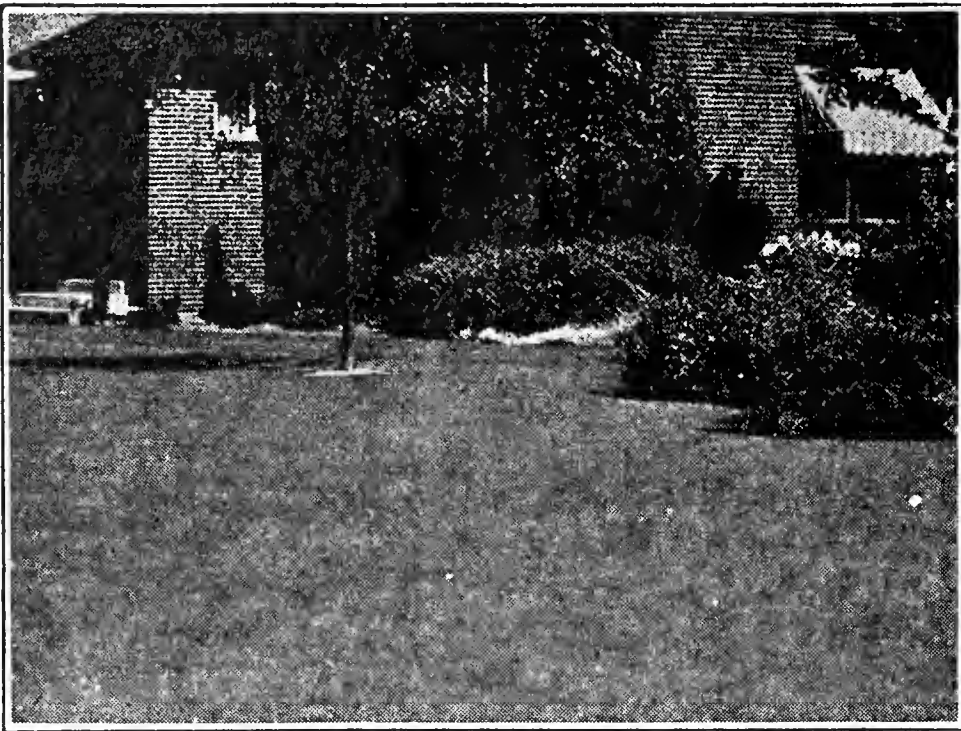
This treatment costs less than having your seed delinted; is more effective in getting a better stand besides destroying diseases. You certainly cannot afford to miss dusting your cotton seed with 2 percent Ceresan this spring.

1 lb. treats 5 bushels, 70c; 5-lb. tin, \$3.00. By mail, 1 lb., 80c; 5 lbs., \$3.20.

### COTTON SEED PRICES

All cotton seed described above are quoted in our green ink list.





## Forget Lady Luck . . . Use **VIGORO** and Be Sure!

The seed you use, the time you plant, and the method of planting you follow are all very important in achieving the beautiful garden you desire. Use our high test seeds and plant them right . . . but don't stop there!

*Make sure that the young plants will find ample nourishment when they develop feeding roots.*



Scientists have shown that all plants require 11 different food elements from the soil if they are to have normal growth and development. That's why we recommend VIGORO for everything you grow. Vigoro, the complete, balanced plant food made by Swift,

contains every one of these 11 needed elements in proper proportion.

Vigoro is clean, sanitary, and odorless . . . and it's the most economical plant food you can buy! Use it at the rate of 4 pounds per 100 square feet of lawn or garden area.

# VIGORO

Complete plant food

100-lb. bag . . \$4.00  
50-lb. bag . . 2.50  
25-lb. bag . . 1.50  
10-lb. pkg. . . .85  
5-lb. pkg. . . .45  
1-lb. pkg. . . .10  
F.O.B. Memphis, Tenn.

By mail, 1 lb., 18c; 5 lbs., 65c; 10 lbs., \$1.10.

## 2% CERESAN used on COTTON SEED

prevents  
diseases such as  
leaf spot, wilt,  
and anthracnose.

Makes possible  
earlier planting.

The use of  
2% Ceresan  
on your seed  
is equal to  
delinting methods  
and much  
lower in cost.

1 lb. 70c  
treats 5 bushels  
5-lb. can \$3.00  
by mail  
1 lb. 85c;  
5 lbs., \$3.20.



## 1938 Price Reductions

AGAIN MARKS LOWEST  
PRICE in NITRAGIN HISTORY

Fresh Each Year—  
High Count  
**Only 50¢**

Per 1 BU SIZE ALFALFA and CLOVER

**NITRAGIN**  
The Original Legume Inoculator

ESTABLISHED  
in  
1898  
39 YEARS  
OF SERVICE

### NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

#### ALFALFA, all CLOVERS

Size	Price
1/2 bu. ea.	.30
1 bu. ea.	.50
2 1/2 bu. ea.	1.00

#### LESPEDEZA

Size	Unhulled or Hulled	Price
1 bu. ea.		.30
2 bu. ea.		.50
5 bu. ea.		1.00

#### VETCH, AUSTRIAN PEAS, CANADIAN PEAS, BEANS

1/2 bu. ea.	.25
1 bu. ea.	.40
*1 2/3 bu. (100 lb. size) ea.	.60
5 bu. ea.	1.70
*12 1/2 bu. ea.	4.00

\*100 lb. size and 12 1/2 bu. size packed only for Vetch and Peas

#### PEANUTS, SOY BEANS, COW PEAS, LIMA BEANS

1 bu. ea.	.30
2 bu. ea.	.50
5 bu. ea.	1.00
10 bu. ea.	1.60
*25 bu. ea.	3.00

\*25 bu. size packed only for Soy Beans, Cow Peas, Peanuts

**NITRAGIN GARDEN SIZE** for Garden Peas, Beans, Sweet Peas, Lima Beans and Lupines.  
Retail Price . . . 10c each.

### BUILD UP YOUR SOIL

#### Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders!

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play Safe!

#### INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist soil culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Direction on every can.

With New Low Prices in 1938, you can afford to inoculate all your legumes with Nitragin

**NITRAGIN — the Oldest and Most Widely Used Inoculator in America**



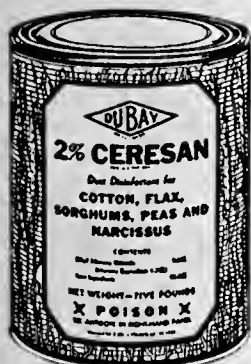
# DU BAY

## SEED DISINFECTANTS

*Increase Crop Profits  
Reduce Disease Losses*

Federal and state agricultural authorities and farm papers now advise seed treatment and, in many cases, actually urge the use of Du Bay Disinfectants. Invest a few cents in Du Bay treatment this year, and see how much more profit you'll get in return.

### A Treatment for Cotton and Other Major Crops



Bigger cotton yields and more profit with 2% CERESAN. Cotton States Authorities report big profit increases with 2% Ceresan cotton seed treatment — North Carolina, \$13.08 an acre; South Carolina, \$9.08 an acre; Texas, \$6.30 an acre. Dusted on seed, 2% Ceresan reduces seed rotting and damping-off, gives growers more uniform stands with less seed. In 40 recent tests, 2% Ceresan increased the average stand 59.8% before chopping; 30.8% even after chopping—and increased the average yield 16.4%. Saving in seed and replanting expense alone easily pays the small cost of 2% Ceresan. One pound treats 5 to 6 bushels. **Prices:**

1 lb., 70c; 5 lbs., \$3.00. Postpaid, 1 lb., 80c; 5 lbs., \$3.20. Not prepaid, 25-lb. pail, \$12.75; 100-lb. drum, \$50.00; 300-lb. drum, \$145.00.



Reduce grain disease losses and increase yields with NEW IMPROVED CERESAN. Use this dust treatment on seed wheat, oats and barley to reduce seed-borne disease, step-up your yield, increase your profit. Tests by Experiment Stations in most important grain states prove its power against covered smut, black loose smut and stripe of barley; loose and covered smuts of oats; stinking smut of wheat; and seedling blight of all three. Increased yields repay its small cost many times. Easily dusted on seed grain as directed may be applied as long as 3 months before sowing. No dust in drilling, no drill damage, no change in drilling rate, and only about half the cost of other dust treatments. One pound treats 32 bushels of seed grain. **Prices:** 1 lb., 70c; 5 lbs., \$3.00. Postpaid, 1 lb., 80c; 5 lbs., \$3.20.



Lower costs and better potato yields with IMPROVED SEMESAN BEL. Closely checked tests in 15 states have proved that any potato grower can usually expect better returns from his seed if he treats it with Semesan Bel before planting. At an average cost of 21 cents an acre, this quick-dip treatment—by reducing seed piece decay and seed-borne scab and Rhizoctonia—increased the average yield 13.6%. Result—lower growing cost and more profit! No mussy soaking. Treat your seed as fast as you can dip it. One pound treats 60 to 80 bushels of seed—easily, quickly, inexpensively. **Prices:**

4 ozs., 45c; 1 lb., \$1.50; 5 lbs., \$6.75. Postpaid, 4 ozs., 50c; 1 lb., \$1.60; 5 lbs., \$6.95.

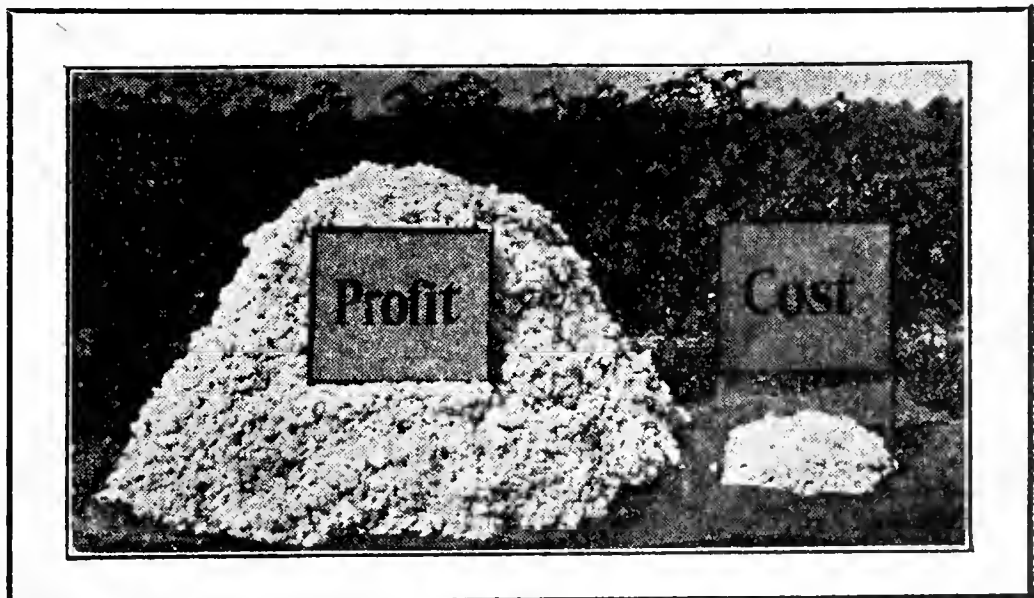


Make sure of a better corn yield by treating seed with SEMESAN JR. Seed corn treatment with Semesan Jr. amounts to real crop insurance. At the extremely low cost of 1½ cents an acre, it reduces seed rotting, checks seedling blight and certain seed-borne rots of root and stalk—gives corn the healthy start necessary for a big yield. Circular 444, Illinois, where the average yield increase has been about 3 bushels an acre, says Semesan Jr., is "one of the best disinfectants for seed corn now on the market. . .". Treats both seed field and sweet corn by the quick, easy dusting method. Only 2 ounces needed

per bushel. **Prices:** 4 ozs., 30c; 1 lb., 75c; 5 lbs., \$3.25. Postpaid, 4 ozs., 35c; 1 lb., 85c; 5 lbs., \$3.45.



Disease control—better stands—sturdier plants with SEMESAN. Don't trust to luck for success with vegetables and flowers. Do what you can to control conditions. Treat your seeds, corns, bulbs, and seedlings with Semesan! Used as a dust or in solutions with water, Semesan reduces seed rotting and damping-off, is highly effective against many seed-borne diseases, even prevents contamination of the soil by certain seed-borne diseases. One ounce treats 15 to 30 pounds of seeds at a cost of ¼ cent to 1 cent a pound of seed. **Prices:** 2 ozs., 35c; 1 lb., \$2.25; 5 lbs., \$9.90. Postpaid, 2 ozs., 40c; 1 lb., \$2.35; 5 lbs., \$10.10.



2% Ceresan Has Increased the Yield of Cotton at Rate of 190 Pounds per Acre.

*Free Booklets on All Du Bay Seed Disinfectants on Request*

**TREAT SEEDS EVERY YEAR -IT PAYS**



# R.-H. Co.'s Fertilizers

## How to Use Fertilizers

Fifty pounds of Garden Fertilizer is sufficient for a garden 40x50 feet.

For all field crops, use from 200 to 400 pounds per acre, according to the soil.

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant.

### Aluminum Sulphate

When added to the soil at rate of 2 lbs. to 20 square feet, gives plants vigor and increased growth. Used also to change color of blooms on Hydrangeas.

1 lb., 15c; 10 lbs., 75c. By mail, 1 lb., 25c; 10 lbs., \$1.00.

### 'Aero' Cyanamid

Feeds the Crop — Sweetens the Soil  
NITROGEN + LIME FERTILIZER

A valuable fertilizer for all crops such as Corn, Cotton, Gardens, Grains, Grasses, Pastures, also Fruit Trees, Grape Vines, and Berry Plants.

GRANULAR "AERO" CYANAMID is a concentrated fertilizer material, containing 21% nitrogen and 70% hydrated lime. In other words, one ton of AERO Cyanamid supplies 420 pounds of nitrogen and 1,400 pounds of hydrated lime. AERO Cyanamid is ideal fertilizer for your cotton. It will increase your yields.

No other carrier of nitrogen on the market has as beneficial a residual effect as has "Aero" Cyanamid.

Aids in Control of Weeds and Disease Organisms

Aero Cyanamid is of especial interest by reason of its partial-sterilizing effect on the soil. Rightly used in large amounts, Aero Cyanamid aids in the control of weeds, nematodes, and disease organisms. After Aero Cyanamid has exercised its sterilizing action, and its lime has destroyed soil acids, its nitrogen is then yielded up to the crop.

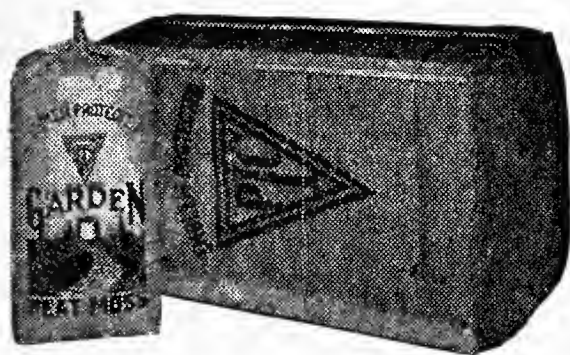
Ask for Booklets describing this scientific fertilizer material. Prices given on our Green Ink List.

### R.-H. Co.'s Bone Meal

Bone meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, ferns, and other potted plants, and for grass crops. Fine for lawns.

5 lbs., 25c; 25 lbs., 90c. By mail, 5 lbs., 45c.

### Peat Moss



Add Humus to Your Lawn and Garden

Peat Moss has proved itself to be invaluable as a humus adding material for the lawn and garden and more is being used each year. It is actually partially decayed moss and aquatic plants, is light brown color, entirely odorless and very easy to handle, and is absolutely free from weed seeds.

Peat Moss puts the soil in the best condition for the growth of plants. It has the ability to loosen hard land and make it more friable and enables light sandy soil to hold water better. Peat Moss and fertilizer make an ideal clean odorless substitute for stable manure which is so hard to get and disagreeable to use.

Peat Moss is like a sponge; it actually takes up a large amount of water and holds it until the plants can use it. It is especially good when used as a mulch, either to hold moisture in the summer or to protect plants from winter injury.

It has many uses among which the most common are: To mix with soil to make it friable or to hold water; to mulch evergreens and also bulbs and plants during the winter and as a dressing on lawns to hold moisture during dry weather.

Trial 2-bu. bale, 75c; half bale, \$2.00; full bale, about 20 bu., \$2.75.

### Davco Homogeneous Fertilizers

DAVCO Granulated Fertilizer is the greatest improvement made in fertilizer in the past 70 years—the same valuable plant foods as in the old style powdered goods, but in a more economical form—gritty, porous granules, which are always drillable — non-caking — even flowing. DAVCO Fertilizer granules vary in size. This has definite advantages, in that the smaller granules, dissolving quickly, feed the younger seedlings, while the larger pieces provide the plant with food during its later growing period.

The plant foods in DAVCO Granulated are soluble early and late. You feed your crop uniformly for its entire growth period with Granulated. You get better distribution of the fertilizer, and you push your crop to quicker maturity, higher quality and larger yields.

The advantages of granular fertilizer have long been known to agricultural authorities. In fact, Agricultural Experiment Stations, Agricultural Colleges, and the U. S. Department of Agriculture have pioneered in establishing the agronomic data which, in large measure, have guided the development of DAVCO granulated products.

DAVCO—Superphosphate. 16% phosphate. Does not cake.

DAVCO—Garden Fertilizer. 4% nitrogen, 8% phosphate, 4% potash.

DAVCO—Truck Fertilizer. 3% nitrogen, 8% phosphate, 6% potash.

DAVCO Tomato Grower. 6% nitrogen, 8% phosphate, 6% potash.

DAVCO Big Cropper. 5% nitrogen, 15% phosphate, 5% potash.

DAVCO fertilizer prices are given on the Green Ink List enclosed. Circulars telling all about DAVCO Fertilizers on application.

### Bone Meal Rose Grower

Especially Fine for Roses

4 lbs., 25c; 25 lbs., \$1.10. By mail, 4 lbs., 45c.

### Semesan

### Seed Disinfectants

It pays to treat all seeds before you sow them. Semesan for vegetable and flower seeds; also bulbs.

New Improved Semesan Jr. for seed corn.

New Improved Semesan Bel for potatoes.

New Improved Ceresan for oats, wheat.

Two per cent Ceresan for cottonseed. Prices and further information given on page 59.

### Nitrate of Soda

Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

It requires about 150 pounds of Nitrate of Soda to the acre.

Prices: 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c. Postpaid, 5 lbs., 45c; 10 lbs., 65c.

### R.-H. Co.'s Commercial Fertilizers

Prices on request. Analysis as follows:

	Nitro.	Phos.	Pot.
R.-H. Co.'s Cotton and corn fertilizer	4%	8%	4%
R.-H. Co.'s Veg. fertilizer	3%	8%	6%
R.-H. Co.'s Acid Phos. ..		16%	
R.-H. Co.'s Muriate Potash .....			48%
R.-H. Co.'s Kainit .....			20%
R.-H. Co.'s Tomato grower .....	6%	8%	6%
R.-H. Co.'s Big Crop ...	5%	15%	5%

Quantity Prices: For prices on above fertilizers, see Green Ink List enclosed.

### Sheep Manure

A pure natural manure, free from all noxious weeds. Highly recommended and used largely as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. Easy to use and safe, as it does not burn.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet.

10 lbs., 40c; 25 lbs., 65c; 50 lbs., \$1.10; 100 lbs., \$2.00. By mail, 10 lbs., 65c.



### Garden Lime

Pulverized, fine, especially good for use on sour soil and where ground worms frequent. It purifies and sweetens soils.

10-lb. bag, 30c; 40-lb. bag, 40c. By mail, 10-lb. bag, 55c.

### Stim-U-Plant

Stim-U-Plant is an odorless, highly concentrated plant-food, in tablet form, guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Pkg. 10 tablets, 10c; pkg. 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50. Mailed, 15c, 35c, 85c, and \$3.75.

### Sulphate of Ammonia

A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25 1/4 per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food.

Prices in bulk: 5 lbs., 25c; 10 lbs., 45c; 25 lbs., 75c. By mail, 5 lbs., 45c; 10 lbs., 70c.

**AUXILIN**  
THE MIRACLE ROOT GROWER

Now Available

REAL ROOTS FROM CUTTINGS

FASTER—Surer—CHEAPER



1/6 oz. ... 50c. Will treat up to 600 cuttings  
1/2 oz. ... \$1. Will treat up to 1,800 cuttings  
3 1/2 oz. ... \$6. Will treat up to 12,000 cuttings  
8 oz. ... \$12. Will treat up to 30,000 cuttings



Difficult cuttings from plants, shrubs, trees root easily, quickly. See photograph of American Holly rooted in 6 weeks. You get more, larger and healthier roots. Less disease. You need no special skill or equipment. Complete with graduated phial and full directions. Add water only.

By mail, 55c, \$1.10, \$6.10, and \$12.15.



# Insecticides and Spray Materials

Most insecticides and liquids are now available. Prices f. o. b. Memphis, and subject to fluctuations, buyer paying carriage charges, except where priced parcel post paid. See Green Ink List for quantity prices.

Our service in this department is free; do not fail to come to us for any information needed in spraying line. We keep up-to-date and have in stock the very newest and best materials for spraying at all times.

We have a special Spray Guide "What & When to Spray" Fruit Trees, Grape Vines, Roses, etc. It is free for the asking.

## Acme All Round Spray

A combined insecticide and fungicide. Gets chewing and sucking insects at one blow.  $\frac{1}{4}$  lb. 30c, postpaid 40c; 1 lb. 75c, postpaid 85c.

## Acme Aphis Spray

A contact spray for lice, aphis, thrip, etc., on roses, trees and vegetables. 3-oz. tube (makes 1 gal.), 35c; 12-oz. pkg., 95c. Postpaid, 3 ozs., 45c; 12 ozs., \$1.05.

## Acme Ant Kill

A poisonous syrup that is certain death to all kinds of ants. Price with 2-oz. bottle syrup and 2 traps, 35c; postpaid, 45c. 2-oz. bottle syrup separately, 20c; postpaid, 30c.

## Acme Bait-M

An especially prepared bait to destroy cut worms and grasshoppers. Bait-M is 100 per cent effective.  $1\frac{1}{2}$ -lb. carton, 35c; postpaid, 50c.

## Agicide

A non-poisonous concentrate and powder that destroys sucking and chewing insects and protects crops from becoming infested. It is especially good for the control of flea beetles, cucumber and squash bugs, aphis, and worms. Agicide contains toxic ingredients, spreaders and irrigating materials that drive the insects out of the blossom clusters, forcing them to contact the controlling toxic ingredients.

Agicide is now used largely in all agricultural stations, canners and truckers. It is safe, non-poisonous and effective. Price Agicide Powder, 12-oz. Handy Blower package, 75c; by mail, 85c. Agicide Powder, 5-lb. cans, \$2.45; mailed \$2.65. Agicide Powder, 25-lb. steel drum, \$9.85. Agicide Concentrate dilutes 1 part to 50 parts of water.  $\frac{1}{2}$  pint, 75c; 1 pint, \$1.35; 1 quart, \$2.45. Postpaid, 85c, \$1.50, and \$2.65.

## Ant Gas

Kills ants in the lawn or home, eradicates moles, easy to use.  $\frac{1}{2}$ -pt. can, 50c; postpaid, 65c.

## Antrol Sets

For controlling ants in the lawn or home, safe and effective. Price, ready filled sets of 4 containers and syrup, 40c; postpaid, 55c.

## Arsenate of Lead

Effective spray for all leaf eating insects on all trees, shrubs, roses or vegetable plants.  $\frac{1}{2}$  lb., 18c; 1-lb. bag, 25c; 4-lb. bag, 65c. Postpaid,  $\frac{1}{2}$  lb., 28c; 1 lb., 35c; 4 lbs., 80c.

## Arsenate of Zinc

Kills potato bugs and stimulates the vine. 4-lb. bag, 65c; postpaid, 80c.

## Basic Zinc Arsenate

For controlling codling moth on apple trees, does not burn. 4-lb. bag, 70c; by mail, 85c.

## Basic Copper Sulphate

Superior to Bordeaux Mixture or home-made formulas of Blue Stone and Lime, since it requires only two pounds to 50 gallons of water, nothing else. Excellent to prevent Peach Leaf Curl when used in combination with Oil Emulsion. 5-lb. bag, \$1.20; by mail, \$1.40.

## Black Leaf 40

Kills by contact and fumes, especially desirable for controlling all kinds of lice and red spider on flowers, roses, shrubs and trees. Also for lice on poultry. 1 oz., 35c; 5 ozs., \$1.00; 1-lb. bottle, \$2.25; 2-lb. can, \$3.25; 5-lb. can, \$5.85; 10-lb. can, \$10.60. Postpaid, 1 oz., 40c; 5 ozs., \$1.10; 1-lb. bottle, \$2.40; 2-lb. can, \$3.45; 5-lb. can, \$6.10; 10-lb. can, \$10.95.

## Blue Stone

For preparing home-made Bordeaux Mixture by combining Hydrated Lime. Use 3 lbs. of Blue Stone, 6 lbs. Hydrated Lime with 50 gallons of water; for Peach Leaf Curl and most fungous diseases. 1 lb., 15c; 10 lbs., 90c. postpaid, 1 lb., 25c; 10 lbs., \$1.15. Powdered or small crystals.

## Bordeaux Mixture

The dependable formula for controlling fungus diseases on roses, shrubs, trees, tomato plants, etc. 1-lb. bag, 25c; 4-lb. bag, 65c. Postpaid, 1 lb., 25c; 4 lbs., 80c.

## Bordeaux Arsenate

A combined spray containing Bordeaux mixed with arsenate of lead, fine for potatoes or tomatoes. 1 lb., 35c; 4 lbs., \$1.00; 25 lbs., \$4.75. Postpaid, 1 lb., 45c; 4 lbs., \$1.15.

## Bordeaux Dust with Arsenical

A combined formula of Bordeaux and Arsenate of Lead. For dusting only. Controls chewing insects and fungous diseases at one time. 25-lb. bag, \$2.50, at store.

## Calcium Arsenate

Kills effectively potato bugs, potato beetles, tomato worms, grasshoppers, army worm and cotton boll weevil. Can be used dry mixed with lime or as a spray mixed with water. 1 lb., 20c; 4-lb. bag, 50c. Postpaid, 1 lb., 30c; 4-lb. bag, 65c.

## Carbon Di-Sulphide

For keeping weevils and other insects out of grain and cow-peas. 1 lb., 45c; 5 lbs., \$1.85. Not mailable.

## Ceresan 2%

This is a wonderful preparation for treating cotton seed. Prevents wilt and damping off, admits earlier planting. See page 59 for full information. Circular on request. 1 lb. (treats 5 to 6 bus.), 70c; 5 lbs., \$3.00; 25 lbs., \$12.75. Postpaid, 1 lb., 80c; 5 lbs., \$3.20.

## Ceresan, New Improved

For using on sorghum seed, oats, barley, wheat to control smut and other diseases. Ask for circulars. See page 59 for full information. 1 lb. (treats 32 bus.), 70c; 5 lbs., \$3.00. Postpaid, 1 lb., 80c; 5 lbs., \$3.20.

## Corrosive Sublimate

Used for treating sweet potatoes before bedding to prevent black rot. One ounce will make 8 to 10 gallons of water.  $\frac{1}{4}$  lb., 55c; 1 lb., \$1.60; 5 lbs., \$7.50. Postpaid,  $\frac{1}{4}$  lb., 65c; 1 lb., \$1.70; 5 lbs., \$7.75.

## Coopers Magic Commercial Disinfectant

Co-efficiency 4, a reliable dip and disinfectant and antiseptic.  $\frac{1}{2}$  pt., 25c; pt., 35c; qt., 60c; gal., \$1.50. Not mailable.

Quantity prices on all insecticides described on this page are given on our Green Ink List enclosed.

## Cuprocide

For treating all seeds to give better germination and damping off. Cuprocide is practical, effective and inexpensive to use. 4-oz. can, 35c; 1-lb. can, 90c; 5-lb. can, \$4.00. Postpaid, 45c, \$1.00, \$4.20.

## Cyanogas—A Dust

A simple way to get rid of pests. Use Cyanogas. Kills ants, rats, mice, moles, fleas, bedbugs, clothes moths, wax moths, pigeons, sparrows, chinch bugs on lawns, grape leaf hoppers, mealy bugs, melon aphis, squash bugs, etc.  $\frac{1}{2}$  lb., 45c; 1 lb., 75c; 5 lbs., \$3.00. Not mailable.

## Cyanogas G. Fumigant

Especially prepared for moths and weevils in grain also fumigation of greenhouses, etc. Ask price.

## Cyanogas Ant Killer

Lawn and garden ants are killed instantly in their nests. Put a small quantity of Cyanogas in their nests and your worries are over. 4-oz. can, 30c; postpaid, 40c.

## Cubor

A Non-poison Insecticide  
A complete Rotenone Spray with spreader for all plant insects, whether chewing or sucking. Gets the Mexican bean beetle, lice or aphis without injury to plants.  $\frac{1}{2}$  oz. (makes 3 gals. of spray material), 10c; 2 ozs., 25c; 1 lb., \$1.00. Mailed, 15c, 35c, and \$1.10.

## Crow Repellers

When these preparations are applied to seed corn before planting they will prevent birds or crows from pulling the corn up. They will not gum the planter and their use will save time and worry. We have two good dependable preparations. No-Crow.  $\frac{1}{2}$ -pt. size (treats 1 bu.), 60c; mailed, 70c. Cro-Tox Crow Repeller. 1-bu. size, 60c; 4-bu. size, \$1.50. Mailed, 1-bu. size, 70c; 4-bu. size, \$1.65.

## C. P. O. Liquid Soap

A useful soap spreader, its use will control Scale, Aphide, Lace Fly, Mealy Bug, Harlequin Bug and many forms of beetles when added to Black Leaf 40 Evergreen or any Pyrethrum Sprays. 3-oz. bottle, 25c; 1-pt. can, 60c; 1-qt. can, 90c; 1-gal. can, \$2.25. Postpaid, 35c, 75c, \$1.10, \$2.60.

## Dendrol Dormant Spray Oil

Especially effective on Fruit and Pecan Trees. Emulsifies perfectly in hard or cold water. Kills San Jose and Scurvy Scale and Red Mites. 100 per cent; Dendrol costs less than most any other spray material for dormant use since it requires only  $2\frac{1}{2}$  gallons for 100 gallons of spray mixture. Qt., 50c; gal., 85c; 5 gals., \$3.75. Postpaid, qt., 65c; gal., \$1.15.

## Dritomic Sulphur

One of the best preparations for the shuck spray, and growing period or summer spray on peaches, apples, etc. On the shuck spray add arsenate of lead. Dritomic Sulphur will control scab and brown rot on peaches and plums, and scab on the apple. Use one pound to 20 gallons of water with  $\frac{1}{2}$  lb. Arsenate of Lead and 1 lb. lime. We have both apple and peach Dritomic Sulphur. Tell us which you want.

## Peach Dritomic Sulphur

1 lb. (makes 20 gals. spray material), 25c; 4-lb. pkg., 60c. Postpaid, 1 lb., 35c; 4 lbs., 80c.

## Apple Dritomic Sulphur

This is especially for summer spray on apples. Cures blotch and codling moth. 4 lbs. (makes 60 gals. of spray material), 60c; postpaid, 80c.



# Insecticides and Spray Materials

## Dry Mix

A condensed spray for Peaches and Piums as soon as the blossoms have fallen. Contains also Arsenate of Lead, so you will not be confused in making this most important application.

Dry Mix prevents wormy peaches, also prevents fungous diseases, rot, etc. 1 lb. makes 5 gallons of spray material. 1 lb., 25c; 5 lbs., 75c; 12½ lbs., \$1.25. Postpaid, 1 lb., 35c; 5 lbs., 95c; 12½ lbs., \$1.50.

## Ethylene Chlorhydrin

A new chemical applied to spring dug potatoes; makes them sprout quickly. One quart makes enough to treat eight bushels of seed potatoes. Directions come on packages. ½ pt., 50c; pt., \$1.00; qt., \$2.00; gal., \$4.25. By mail, ½ pt., 70c; pt., \$1.25; qt., \$2.35; gal., \$4.95.

## Ever Green

### Non-Poisonous Insecticide

Kills them all; safe to use on tender plants and blossoms, cannot burn, non-poisonous

Controls insects such as aphids, cutworms, squash bugs, potato bugs, caterpillars, beetles, etc., quickly, safely and economically. 1-oz. bottle (makes 4 gal.), 35c; 6-oz. can, \$1.00; 16-oz. can, \$2.00; 1-gal. can, \$11.00. By mail, 1 oz., 40c; 6 ozs., \$1.10; 16 ozs., \$2.15; 1 gal., \$11.50.

## Fish Oil Soap

Prevents and cures aphids, lice and other troubles on plants and trees. Mixed with other spray materials acts as a spreader. 1 lb., 35c; 5 lbs., \$1.20; 10 lbs., \$2.00. Postpaid, 1 lb., 45c; 5 lbs., \$1.45; 10 lbs., \$2.30.

## Formacide

Seed and soil disinfectant used as a dust control of damping off, and makes strong healthy plants and increases yields. ½ lb., 45c; 1 lb., 75c; 5 lbs., \$2.00. Postpaid, ½ lb., 55c; 1 lb., 90c; 5 lbs., \$2.20.

## Flit

Sure death to flies and mosquitoes. ½ pt., 30c; pt., 50c; qt., 85c; gal., \$2.50. Postpaid, ½ pt., 40c; pt., 65c; qt., \$1.00; gal., \$2.80. Flit moth bag free with each 1-gallon can.

## Formaldehyde or Formalin

Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. 1 lb., 45c; postpaid, 60c.

## Fungtrogen

An effective control of Black Spot and Mildew on Roses, Phlox, etc. Does not stain. 4-oz. can, 50c; ½-pt. can, 75c; 1-pt. can, \$1.25. Postpaid, 4 ozs., 60c; ½ pt., 85c; pt., \$1.40.

## Garden Guard

A Rotenone preparation that is perfectly harmless to humans, but effective against both sucking and chewing insects on all vegetables and flowers. Used as a dust. 1 lb., 35c; 4 lbs., 75c; 25 lbs., \$4.25. Postpaid, 1 lb., 45c; 4 lbs., 95c.

## Grafting Wax

Used for grafting scions on trees and shrubs. ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c. Postpaid, ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c.

## Hammond's Rose Dust

Prevents and cures black spot, blight and mildew on roses and other plants, simply use as a dust—it is non-poisonous. 1 lb., 35c; postpaid, 45c.

## Hydrated Lime

For mixing with Sulphur in making dry mix or home boiled Lime Sulphur, it is also used for sweetening the soil in flower and vegetable gardens. 10-lb. sack, 30c; 40-lb. sack, 40c. By mail, 10 lbs., 55c.

## Kayso

Prepared casein is a spreader and adhesive. It makes any poison stick and resistant to washing effect of rains. Two-lb. pound package is sufficient for 50 gallons of spray. 2 lbs., 50c; 10 lbs., \$1.80. Postpaid, 2 lbs., 65c; 10 lbs., \$2.05.

## Lime-Sulphur Powdered

A convenient material to control San Jose scale and other fungus trouble, such as peach tree leaf curl and blister mites. Dilute one pound Dry Lime-Sulphur to 4 gallons of water. 1 lb., 25c; 5 lbs., \$1.00; 12½ lbs., \$1.35. Postpaid, 1 lb., 35c; 5 lbs., \$1.25; 12½ lbs., \$1.65.

## Lime-Sulphur Solution

A concentrated liquid form easily mixed. Simply add 7 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. 1-qt. can, 35c; gal., 65c; 5 gals., \$2.25. Postpaid, qt., 50c; gal., 90c.

## Magnesium Arsenate

Controls the Mexican Bean Beetle effectively, and will not burn the foliage. Magnesium Arsenate Dust Mixture for mixing with lime. 1-lb. can, 30c; 4-lb. pkg., 75c. Postpaid, 1 lb., 40c; 4 lbs., 95c.

Magnesium Arsenate for Spraying: 2 lbs. to 100 gallons water. 12-oz. pkg., 35c; 2-lb. pkg., 60c. Postpaid, 12 ozs., 45c; 2 lbs., 75c.

## Mologen

Eliminates moles from your lawn in two or three days. A non-poisonous, odorless dry powder that will not injure the soil or grass but gets the moles. ½-lb. can, 50c; 1½-lb. can, \$1.25; 5-lb. can, \$3.00. Mailed, 60c, \$1.35, \$3.25.

## Mosquito Larvicide

Made under the Government formula, for spraying ponds and lily pools. It will not harm the vegetation or fish but quickly kills mosquitoes, etc. 1-pt. bottle, 40c; qt., 60c. Postpaid, pt., 55c; qt., 80c.

## Nu Green

Prevents and cures and controls Brown Patch on lawns. 3-oz. tin, 25c; postpaid, 35c.

## Oil Emulsion

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree. Use it in January, February or March on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin No. 933. Use 1 gallon to 20 gallons of water. To control peach tree leaf curl, use 4 lbs. Bordeaux Mixture or 3 lbs. of Bluestone (put these in water first) and 1 gallon of Oil Emulsion to 20 gallons of water. Qt., 35c; gal., 65c; 5 gals., \$2.25. Postpaid, qt., 50c; gal., 85c.

## Orthodichloro Benzene

Used under building to keep out ants and termites. Simply spray it as it comes from the can on the sills and joists under buildings. Qt., 75c; gal., \$1.50; 5 gals., \$6.25. Postpaid, qt., 95c; gal., \$1.80.

## Paradichlorobenzene

Peach tree borer control. Discovered at last a sure cure for peach tree borer. Time of application, October 1st to November 30th. It can also be used in the spring, early in March. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00. Postpaid, 1 lb., 45c; 5 lbs., \$1.40; 10 lbs., \$2.30.

## Paris Green

Known for its effectiveness. It must be used with care; 1 teaspoonful to 1 gallon of water will be safe. Add 2 tablespoonfuls of lime to prevent burning. ¼ lb., 15c; 1 lb., 50c; 5 lbs., \$2.10; 14 lbs., \$4.90. Postpaid, ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$2.25; 14 lbs., \$5.30.

## Pine Tar

A very useful preparation and should be kept on the premises at all times. For bruises on trees Pine Tar is very effective. 1-pt. can, 25c; postpaid, 35c.

## Potato Spray

A well balanced combined insecticide and fungicide for Potato vines; its use will increase the crop. 5-lb. pkg., 90c; postpaid, \$1.10.

## Pomo-Green with Nicotine

Controls lice in addition to chewing insects and blackspot and other fungous diseases. Pomo-Green with nicotine is the leaf green dust that protects your roses and other plants without making treatment conspicuous. 5 lbs., \$2.50; postpaid, 5 lbs., \$2.75.

## GOOD SPRAYERS

ARE NECESSARY TO INSURE GOOD CROPS

Make your selection from our complete line.

## Pyrox with Nicotine

A combination of Pyrox and Nicotine. Kills both sucking and chewing insects, besides controls fungous diseases. Pyrox is especially effective on roses for diseases, lice and chewing insects. Also on Tomato to prevent blossom end rot. 17-oz. jar, 49c; 5-lb. can, \$1.75; 10-lb. can, \$3.00. Postpaid, 1 lb., 60c; 5 lbs., \$1.95; 10 lbs., \$3.35.

## Red Arrow Spray

A new discovery, kills without burning; non-poisonous; effective against lice on turnip greens, leaf-hoppers and worms. 1-oz. bottle (makes 3 gals.), 35c; 4-oz. bottle, \$1.00; 1-pt. bottle, \$2.70; 1-qt. tin, \$3.20; 1-gal. tin, \$9.70. Postpaid, 40c, \$1.10, \$2.90, \$3.45, and \$10.00.

## Red Star Insecticide

Absolutely sure death to all insects, ants, roaches and mosquitoes. A clear liquid, this will not stain. 1-qt. can, 60c; ½-gal. can, \$1.00; 1-gal. can, \$1.75. Postpaid, qt., 75c; ½ gal., \$1.25; 1 gal., \$2.10.

## Scalecide

The old reliable Scalecide. The best known dormant or delayed dormant spray for the control of scale, peach leaf curl, aphids, red mite and other insects. For fruit trees or ornamentals. Simple, effective and easy to apply. Use 1 gallon to 15 gallons of water for trees that drop their foliage or 1 to 20 for evergreens. Scalecide is indeed the complete spray. Qt., 65c; gal., \$1.55; 5 gals., \$5.50. Postpaid, qt., 80c; gal., \$1.80.

## Selocide

Kills Red Spider, 100 per cent effective, no other preparation will give equal results; also kills the eggs. 1 qt. (makes 25 gals.), \$1.00; postpaid, \$1.20.

## Semesan

For all flower and garden seeds, also bulbs, see page 59 for prices.

## New Improved Semesan Jr.

For treating Seed Corn, see page 59 for prices on New Improved Semesan Jr.

## New Improved Semesan Bel

For treating potatoes, see page 59 for prices on new improved Semesan Bel.

## Sulfocide

A concentrated liquid sulphur fungicide. Used on all kinds of fruits, vegetables and flowers. Convenient, economical and effective. Dilutes one gallon to two hundred gallons of water. Combines with Calcium Arsenate or Magnesium Arsenate. Where Arsenate of Lead is used, mix first with Kayso or a casein lime spreader before adding Sulfocide. Pt., 50c; qt., 85c; gal., \$2.25; 5 gals., \$7.50. Postpaid, pt., 60c; qt., \$1.00; gal., \$2.55.

## Slug-Shot

A non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys Mexican bean beetles, green flies, slugs, worms. 1 lb., 25c; 5 lbs., \$1.00. Postpaid, 1 lb., 35c; 5 lbs., \$1.10.

## Slug Shot Liquid with Rotenone

Non-poisonous. 1-oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.25. By mail, 1 oz., 45c; 6 ozs., \$1.10; 16 ozs., \$2.40.

## Sulphur, Commercial

Will prevent and cure mildew; should be used on all roses in the spring; apply dry. Also used for making self-boiled Lime-Sulphur as well as dusting, etc. 1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c. Postpaid, 1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.00.

## Sulphur, Acme

This is a superfine grade of sulphur especially prepared for dusting roses for black spot and other fungous diseases. Price, 3-lb. can, 35c; postpaid, 55c.



# Insecticides and Spray Materials

## Sulphur-Mike

A trade name for the New Microscopic, extra fine prepared sulphur. Mixes readily with water in combination with lime, Arsenate of Lead, etc. 10-lb. pkgs. only, \$1.20; by mail, \$1.50.

## Sulphur, Wettable

Finely pulverized, and will mix readily with water. On account of its superior quality, Wettable Sulphur controls quickly diseases on plants. 1 lb., 15c; 25-lb. bag, \$2.50. Postpaid, 1 lb., 25c.

## Terro Ant Killer

Dead sure and quick relief from ants of all kinds. Simply pour the preparation where ants enter the house or where they travel and Terro will do the job thoroughly. Two sizes, 25c and 50c a bottle. Postpaid, 35c; 60c.

## Tobacco Dust

Especially desirable for use against lice and sucking insects. 1 lb., 10c; 10 lbs., 60c. Postpaid, 1 lb., 20c; 10 lbs., 85c.

## Tobacco Dust Gold Leaf

Extra strength Black Leaf 40. 2 lbs., 25c; 10 lbs., 85c. Postpaid, 2 lbs., 40c; 10 lbs., \$1.10.

## Tree Bands and Paste

For controlling Codling moth on apple trees; their use prevents the moths from crawling up the trees. Apply May 1st. Bands 2 in. wide, 125 ft. long, 75c per roll. Bands 4 in. wide, 125 ft. long, \$1.00 per roll. 8-lb. can Napto Paste, treats 500 ft. 4 in. bands, \$2.75.

## Tree Tanglefoot

Used as a band on all kinds of trees, it will prevent any insects from crawling up on them. 1-lb. can, 50c; by parcel post, 1 lb., 65c.

## Tri-ogen

The complete protection and spray treatment on roses, etc. Kills chewing insects, aphids, plant lice, thrips, leaf hoppers, beetles, rose chafers, white fly, lace wing fly and in addition, controls diseases such as black spot, rust, mildew, blight, etc. It stimulates growth. Tri-ogen is harmless to foliage and blooms. Small Kit, makes 16 qts. .... \$1.50  
Medium Kit, makes 64 qts. .... 4.00  
Large Kit, makes 32 gallons. .... 6.00  
Postpaid, Small, \$1.70; Medium, \$4.25; Large, \$6.25.

## Tree Killer Champion

For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Will kill Johnson grass, sprouts, grubs, etc. Gallon, \$1.25; 5 gallons, \$5.50, f.o.b. Memphis.

## Tree Wound Paint

When pruning heavy branches of trees, paint them with this material. It's also good to heal bruises and keep out infection. 1/2 pt., 35c; pt., 60c; gal., \$2.50. By mail, 1/2 pt., 45c; pt., 75c.

## Volck

A powerful insecticide used as a spray to overcome mildew, red spider, aphids, white flies, mealy bugs, etc. Volck is easy and pleasant to handle and has no odor. 1/2 pt., 35c; qt., 75c; gal., \$2.00. Postpaid, 1/2 pt., 45c; qt., 90c; gal., \$2.25.

## Garden Volck with Nicotine

3 1/2-oz. tin, 85c; by mail, 45c. Pt., \$1.00; by mail, \$1.15.

## Weed Killer (Liquid)

Kills Coco, Johnson Grass and Poison Ivy, highly concentrated. Can be diluted with 20 parts of water. Quart cans, 50c each. Not available.

## Weed Killer (Atlacide)

The safe and sure weed killer used by the Federal Government and recommended by State Experimental Stations for killing noxious weeds and grasses such as Johnson grass, poison ivy, quack grass, Bermuda, etc. 1 1/2 lbs. Atlacide makes 1 gallon of weed killer.

5-lb. pkg., \$1.50; 15-lb. drum, \$3.00; 50-lb. drum, \$7.00; 100-lb. drum, \$12.50; 200-lb. drum, \$26.00. Postpaid, 5 lbs., \$1.70.

## Zinc Sulphate

If your peaches, just before ripening, split or crack, which disease is known as Bacterial Fungi, then use 2 lbs. of Zinc Sulphate to each 50 gallons of any Sulphur spray combination. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 25 lbs., \$1.50. By mail, 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c.

## Spray Guide

We have a special folder which gives plain directions "when to spray," what to use and how to mix the different materials for spraying Apple Cherry, Peach and Pear trees. Also for spraying rose bushes and vegetables. Ask for a copy.

Quantity prices on all insecticides described on this page are given on our Green Ink List enclosed.

# Hudson Spray Pumps



## Hudson Perfection Sprayer—Open-Top

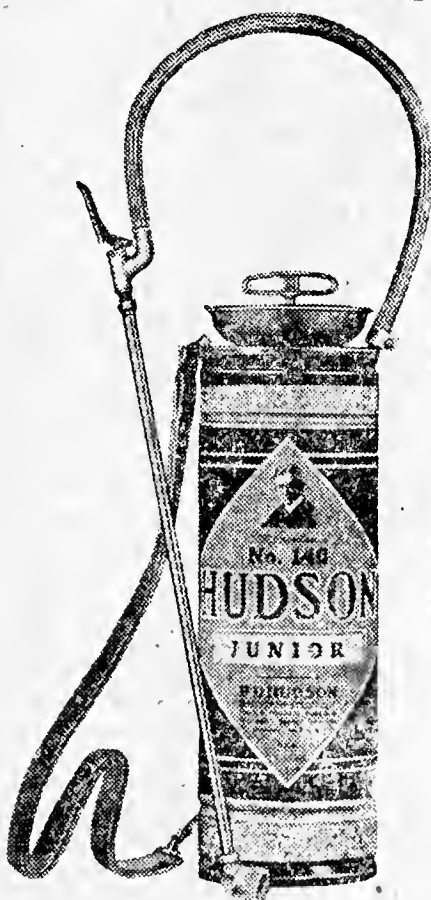
The new OPEN-TOP Perfection was designed by engineers, built by craftsmen. Pump and top assembly lock securely by means of the four point contact of the Hudson Eccentric-type lock. Tank is either galvanized or copper sheet, capacity full four gallons. Discharge equipment includes 27 inches high pressure spray hose; all brass shut-off valve, thumb operated; 24 inch brass extension; all brass nozzle adjustable to any position or for any type of spray.

No. 210G. Perfection. Galvanized, 4 gallon capacity....\$ 6.50  
No. 210B. Perfection. Copper, 4 gallon capacity..... 10.50  
Postpaid, 35c each extra.

## Hudson Junior Sprayer

The Hudson Junior Sprayer has a capacity of two and one-half gallons. Funnel Top. Tank may be had in either galvanized or copper. Fitted with 24 inches discharge hose. 21 inch brass extension rod and brass disc type nozzle.

No. 140G. Junior. Galvanized.....\$4.50  
Postpaid, \$4.75.



## Hudson Climax Sprayer

The Climax Compressed Air Tank Sprayer is a very fine pattern in the low priced field. Has Nu-eez Funnel Top. Furnished in galvanized tank. Capacity about 3 1/2 gallons. Equipped with 24 inches of discharge hose, 2 ft. brass extension rod, and brass disc type adjustable nozzle.

No. 135G. Climax. Galvanized.....\$4.50  
Postpaid, \$4.75.

## Hudson Thrifty Sprayer

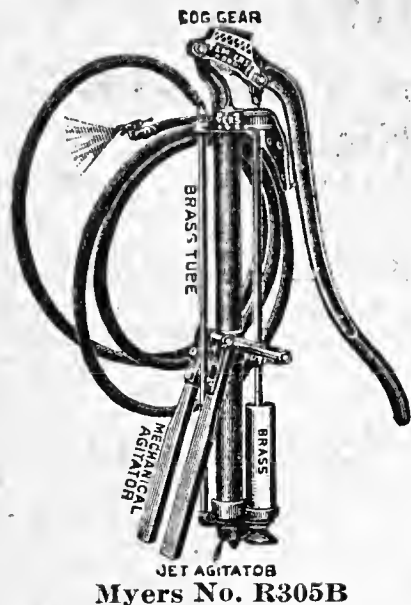
The Thrifty is of convenient size for work around the home, flower garden, truck garden, and similar places. Has Nu-eez Funnel Top equipment. Tank galvanized iron. Capacity about 2 gallons. Cam lock, operated by half turn of malleable pump handle. Fitted with 24 inches of discharge hose. 21 inch curved brass extension rod and brass disc nozzle.

No. 120G. Thrifty. Galvanized.....\$3.25  
Postpaid, \$3.50.





## Myers Barrel or Orchard Spray Pumps



Myers No. R305B

**MYERS No. R305B.** Designed to meet the requirements where a good pump at a moderate price is required. Attaches to the side of an open barrel. Equipped with Cog Gear Handle, jet and mechanical agitators, complete with 15 feet of  $\frac{1}{2}$ -inch, 5-ply discharge hose and Myers Graduating Vermorel Nozzle. Price complete, less barrel, \$12.80.

**MYERS No. R318B.** Attaches to top of closed barrel. Has bronze ball valves and brass seats. Plunger is self expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of  $\frac{1}{2}$ -inch, 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator. Price, \$13.60.

## Myers O.K. Cog Gear Barrel Spray Pump

**No. R308B.** Air chamber, 2 $\frac{1}{2}$  inches, will carry 200 lbs. pressure. With one lead of 15 feet, 7-ply,  $\frac{3}{8}$ -inch hose and nozzle. Price, less barrel, \$21.60.

**No. R308C.** The same with 2 leads of spray hose and two nozzles. Price, less barrel, \$25.20.

## Myers No. R336 $\frac{1}{2}$ B Portable Sprayers

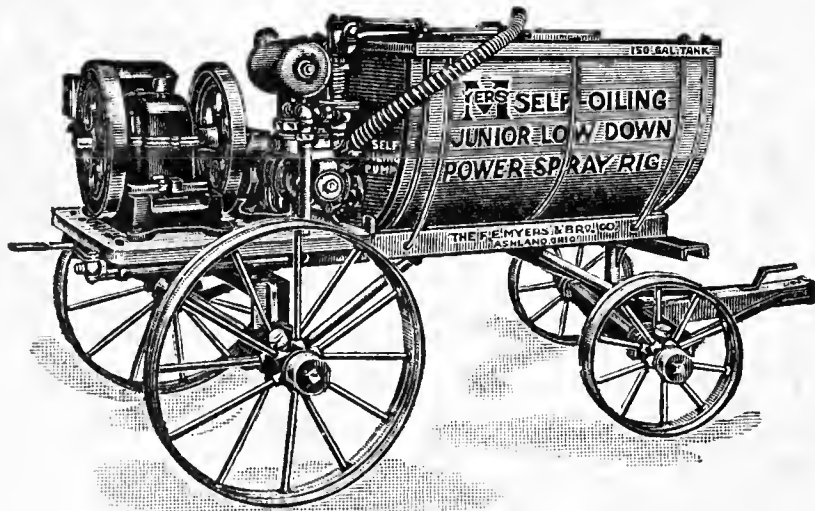


Capacity 12 $\frac{1}{2}$  gallons; tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has agitator, with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension. Complete, \$21.20.

## Myers No. R339 $\frac{1}{2}$ B Portable Sprayer

Fitted with 6-gallon air chamber, in every other particular is the same as No. R336 $\frac{1}{2}$ B. Price complete, \$38.00.

## Myers Power Spray Pump



**No. 754 Myers Self Oiling Junior low down spray rig** with all steel, short-turn truck. Capacity 100 gallons. Has 2-horsepower engine. Equipped with No. 13 Myers Spray Gun, 50 feet  $\frac{1}{2}$ -inch Myers high pressure hose with complete fittings. Catalog with further specifications and prices on application.

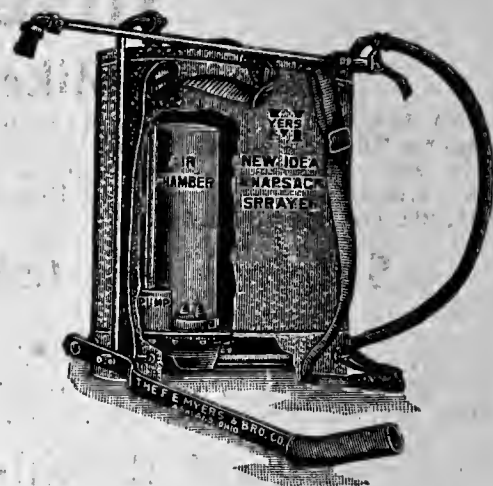
## Powdered Agicide

Kills insects by contact and stomach poisoning, yet it is harmless to plants. See page 61 for prices.

## Myers Knapsack Spray Pump

Adopted and recommended by the U. S. Government as the best distributor of disinfectants for mosquitoes and other poisonous insects. It is most excellent for all garden spraying. The tank is formed to fit operator's back. Tank 4-gallon capacity with tight cover, and removable brass gauze strainer. The lever handle is at the bottom of the tank, making it easy to operate.

**No. 1330 Myers New Galvanized Tank Knapsack Spray Pump.** Fitted with  $\frac{3}{8}$ -inch hose, lever shutoff cock, 18-inch brass extension pipe with 45 degree bend and Bordeaux nozzle. Price, \$12.60; by mail, \$12.95.



## Myers Bucket Sprayers



Myers No. R324

These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

**Myers No. 325 Bucket Pump.** Makes fine or coarse spray; all brass; provided with a good air chamber. Price, \$4.00; by parcel post, \$4.30.

**Myers No. R324 Spray Pump.** A combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price, with nozzle, \$5.20; by parcel post, \$5.60.



Myers No. 325

## Myers Kwik Fill Compressed Air Sprayers

A quality product, something you can depend on. The special features are concave top form which acts as a funnel, no time lost in filling. It has a  $\frac{1}{4}$ -inch brass tube air pump which is quickly removable. The removable discharge tube and hose connection permits thorough drainage and cleaning of the tank which adds many years of service. The tank is extra heavy galvanized metal, lasting and durable. If you wish real quality in a compressed air sprayer, you will get it in the Myers Kwik Fill. Made in two sizes.

**No. 2240 Myers Kwik Fill.** 2 $\frac{1}{2}$ -gallon galvanized tank. Price, \$4.20; postpaid, \$4.45.

**No. 2242 Myers Kwik Fill.** 4-gallon galvanized tank. Price, \$4.80; postpaid, \$5.15.



Myers No. 2242

## Smith No. 328 Bucket Spray Pump

A light, all tin bucket spray pump, excellent for small orchard. Will spray 12 to 18 feet in height. Price, \$1.50; by mail, \$1.80.

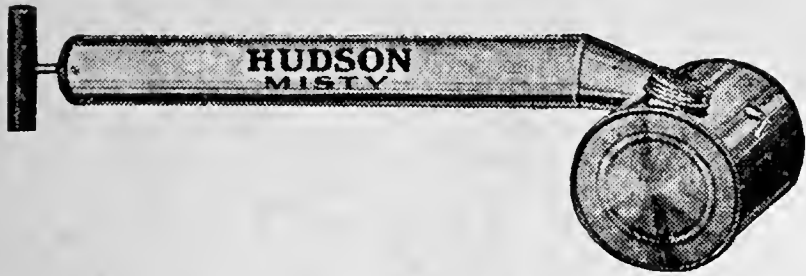
## Insecto-O-Gun

A new device for spraying insecticides of all kinds. Attaches to any garden or lawn hose connection. The Insecto-O-Gun is a big labor saving device. With it your roses, shrubs or trees can be sprayed quickly and easily. Simply place the proper quantity of insecticide in the container and attach to the garden hose. Price, \$3.75; by mail, \$3.95.





## Hudson Misty Sprayer



A popular pattern for backyard garden, poultry house and similar use. Tank is heavy tin, lock seamed and thoroughly leak-proof.

No. 452 Misty. 1 quart. Price, 40c; postpaid, 55c.

## Hudson Vapor Sprayer

Another popular pattern for use in and about the home. Tank lock seamed, thoroughly leak-proof.

No. 222. Vapor.  $\frac{3}{4}$  pint. Price, 25c; postpaid, 35c.

## Hudson Crescent Sprayer

A popular pattern for the garden, the yard, etc. Uses standard mason quart jar. Pump is heavy tin,  $1\frac{1}{2} \times 18$  in.

No. 430. Crescent. 1 quart. Price, 60c; postpaid, 80c.

## Hudson Continuous Sprayer



For use with fly oils, insecticides, disinfectants and all other solutions that are sediment free. Pump  $1\frac{1}{2}$  in. diameter, 14 in. long. Adjustable for any type of spray from fog to solid stream.

No. 432. Tin container, 1 quart. Price, 75c; postpaid, 90c.

## Glass Jar Sprayer No. G3 $\frac{1}{2}$



An outstanding pattern for household use. Detachable glass container safely handles solutions which destroy metals.

No. G3 $\frac{1}{2}$ . Glass Jar Sprayer.  $4\frac{1}{2}$  ounces. 20c; postpaid, 35c.

## Hudson Critic Sprayer



A continuous sprayer with detachable glass container which permits its use with solutions which affect metals.

No. 427G. Critic. 1 quart. Price, \$1.00; postpaid, \$1.20.

## Hudson Cardinal Sprayer



A 3-quart continuous sprayer for handling some insecticides, fly oils, and disinfectants; has adjustable nozzle for making any type of spray from the finest fog to a solid stream. It is very easy to operate.

No. 435 Cardinal. 3-quart capacity. Price, \$1.35; postpaid, \$1.60.

No. 437 Capital. 3-quart capacity with automatic shut-off valve. Price, \$2.25; postpaid, \$2.60.

## Hudson Corporal Duster



The CORPORAL is an efficient duster for household purposes at a very moderate price. Ample capacity for all ordinary home use. Length over all 10 inches.

No. 651. Improved Corporal. Price, 15c; postpaid, 25c.

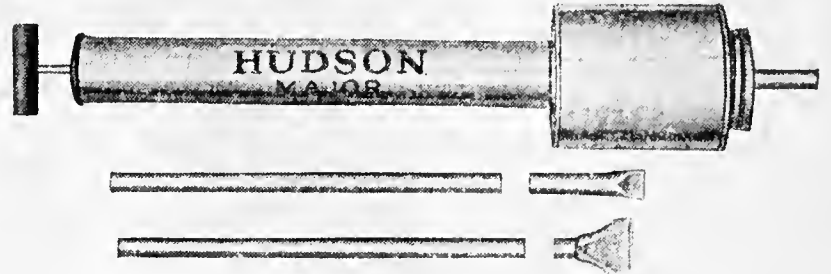
## Hudson Signal Duster



Heavy tin pump  $1\frac{1}{2} \times 7$  in. Powder reservoir  $1\frac{1}{2} \times 3$  in. Large, easily removed cap with discharge tube to drive the powder into cracks and crevices.

No. 660. Signal Duster. Price, 25c; postpaid, 35c.

## Hudson Major Duster



Heavy tin pump,  $1\frac{3}{4} \times 13$  in. Powder reservoir, 4 in. diameter,  $4\frac{1}{2}$  in. length. Equipped with two 12 in. extension tubes and two tips, one narrow, one wide.

No. 665. Major Duster. Price, 80c; postpaid, 95c.

## Hudson Adjutant Duster

Similar in construction and shape to the No. 665 Major Duster excepting it is a little smaller and has only one extension pipe.

No. 664. Adjutant Duster. Price 50c; postpaid, 60c.

## Scram Bug Sprayers



Very easy to operate. They make a continuous spray.

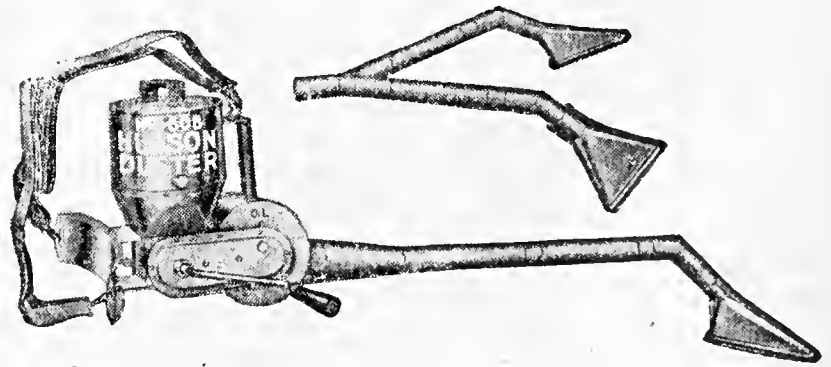
J-3.  $\frac{3}{4}$  pt. size. Price, 50c; postpaid, 60c.

V-21. 1 pt. size. Price, 60c; postpaid, 75c.

J-5. 1 qt. size. Price, 90c; postpaid, \$1.10.

D-90. 2 qt. size. Price, \$1.40; postpaid, \$1.60.

## No. 608 Roto-Power Crank Duster



For truck gardens, vineyards, small orchards, etc., as well as clubs, city parks, cemeteries and similar places. Discharge equipment: two nozzles, two elbows, a wye connection and four 15-inch tubes. Feed regulator quickly adjusted for any desired volume of dust.

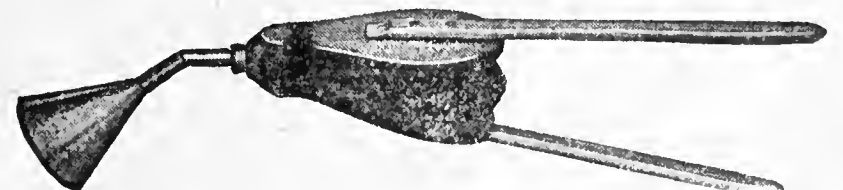
No. 608. Crank Duster. Price, \$12.50; postpaid, \$12.90.

## Hudson Patrol Duster

An effective pattern for truck gardens, field crops, etc. The two 12-inch extensions and two nozzles permit the operator to reach all parts of the plant. Positive force feed construction absolutely prevents clogging.

No. 612. Patrol Duster. Price, \$1.00; postpaid, \$1.20.

## Hudson Bellows Duster

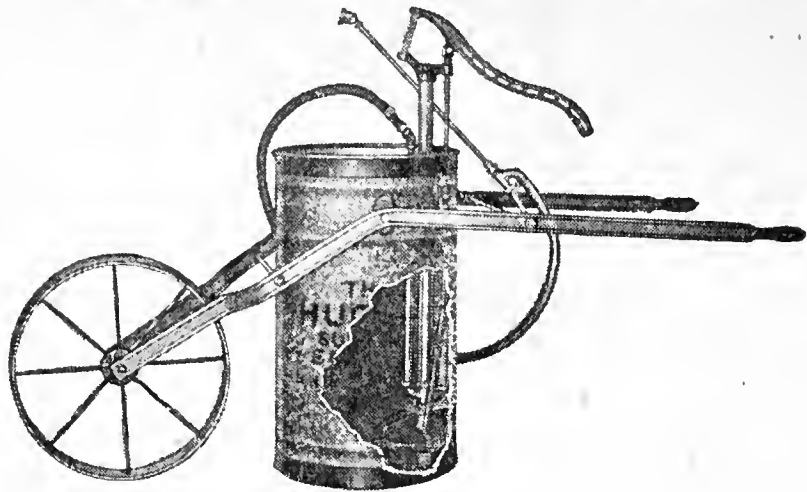


The Hudson Bellows Duster is used with dry Arsenate of Lead and other powdered insecticides in truck gardens, potato patches, cotton fields, etc. Discharge equipment is of heavy tin. Elbow tilts the funnel in any direction, for dusting the under sides of leaves.

No. 600. Bellows Duster. Price, \$1.50; postpaid, \$1.70.



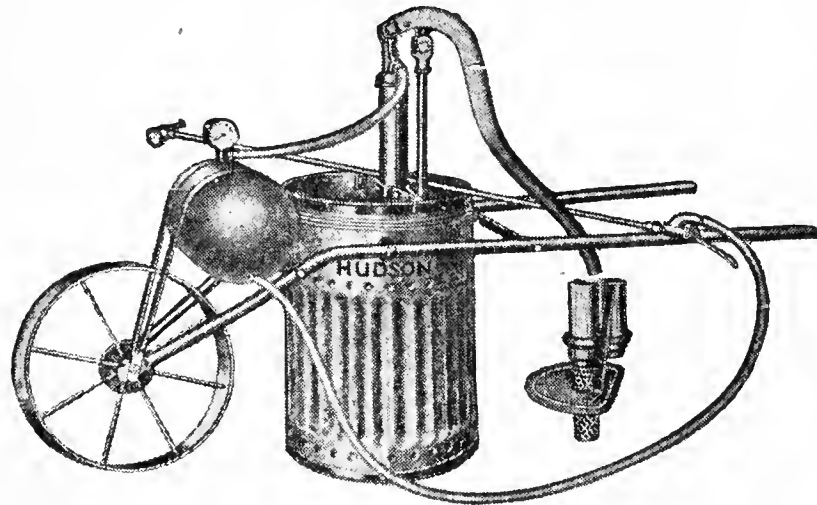
## Hudson Sunshine Sprayer



Adapted for small orchards, vineyards, truck gardens, berry bushes, as well as for use by florists, nurserymen and greenhouses. Handles insecticides, disinfectants, whitewash, cold water paints and similar preparations. Fitted with 5 feet of discharge hose, 2-foot iron extension rod, brass angle nozzle and Perfection shutoff valve.

No. 36S Sunshine Sprayer. 12½ gal. as shown. Price, \$12.75.

## Hudson Ideal Sprayer



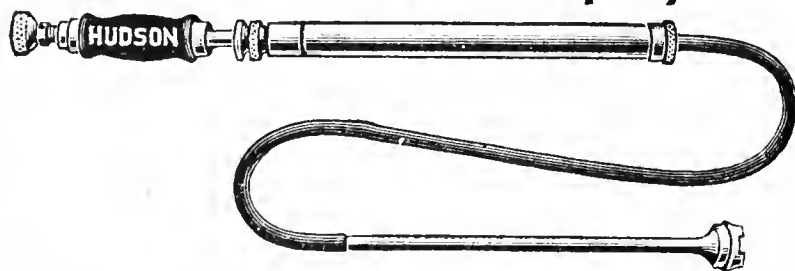
No. 35S

A heavy duty, portable outfit for orchard, vineyard, truck garden, park, golf club, private estate, dairy barn, poultry house, etc. Handles insecticides, cold water paint, etc. Tank heavy gauge galvanized steel sheet, reinforced top and bottom with channel iron. Capacity 18 gallons. Fitted with 6-foot discharge hose and 4-foot iron extension rod and brass angle spray nozzle. Perfection shut-off valve.

No. 34S. Ideal Sprayer. Galvanized tank, 18 gal. Weight 80 lbs. Price, \$20.25.

No. 35S. Ideal Sprayer. Galvanized tank, 18 gal., with pressure tank, gauge and fittings, as illustrated. Price, \$30.75.

## Hudson Trombone Sprayer



Double acting, high pressure spray pump. Maintains steady discharge with ease. Cylinder is 19½ inches long, made of seamless brass tubing. Air chamber is 25½ inches long of same material. Fitted with 3 feet of special spray hose, intake pipe and strainer. Fog nozzle with various discs standard equipment.

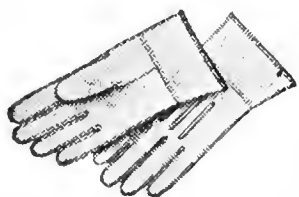
No. 133. Trombone Sprayer. Price, \$4.00; postpaid, \$4.20.

## Dry Powder Dusters

No. 36D. Smith Duster. Capacity 1½ lbs. Price, 90c; postpaid, \$1.10.

No. 17. Smith Dust King. Capacity 5 lbs. Price, \$9.00; postpaid, \$9.45.

No. 18. Smith Savage. Capacity, 7 to 10 lbs. Price, \$14.00; postpaid, \$14.60.



## Eezy Wear

### NAPA GOAT GLOVES

A soft pliable goatskin glove, especially adapted for working in flowers, bulbs and gardens or when spraying trees or plants. These come in all sizes. Price, 75c a pair; postpaid, 85c.

## Spray Guide

We have a special folder which gives plain directions "when to spray." What to use and how to mix the different materials for spraying apple, cherry, peach and pear trees. Also for spraying rose bushes, grape vines and vegetables. Ask for a copy.

## Hudson Du-More Sprayer



A new continuous high pressure sprayer for truck or field crops, vineyards, ornamental shrubs, flower gardens, sprinkling lawns, etc. Handles all agricultural insecticides, fungicides, etc. Tank made of prime galvanized or copper sheets. Capacity four gallons.

Entire top completely removable for easy filling and cleaning. Locking mechanism also provides convenient carrying handle.

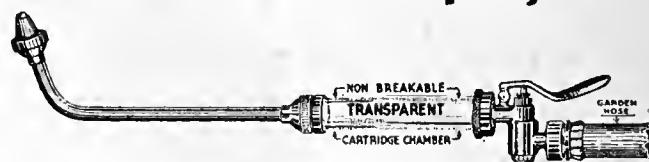
Fitted with 3 feet of discharge hose, 2-foot brass extension rod, automatic shut-off valve and brass disc type adjustable nozzle. Weight about 17½ lbs.

No. 247G. Du-More. Galvanized tank. Price, \$15.00.

No. 247B. Du-More. Copper tank. Price, \$21.25.

Postpaid, 35c each extra.

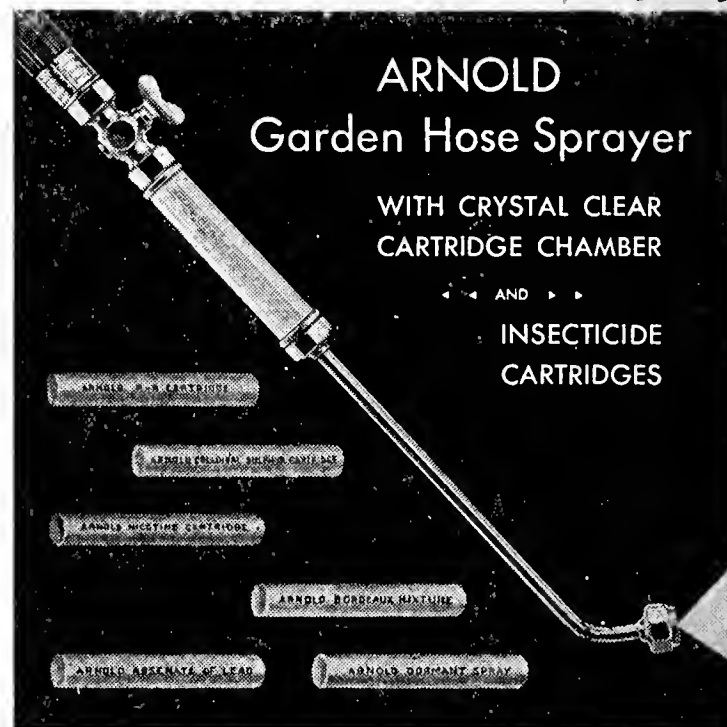
## Garden Hose Sprayer



Attach to any garden hose, then slip the insecticide cartridge in the chamber and you can spray all plants rapidly; effective and easy. The cartridge chamber is transparent so the operator can readily see when the insecticide cartridge has been used up. This is a decided improvement.

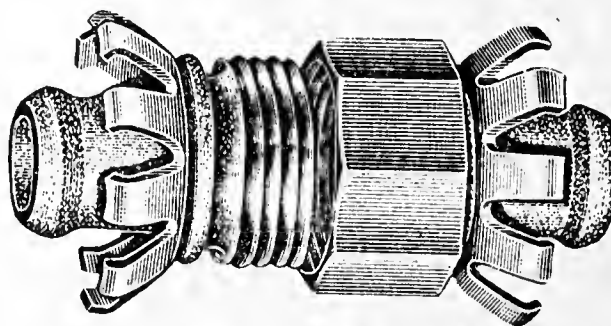
Price, with brass extension rod and three kinds of insecticide cartridges, \$5.75; postpaid, \$6.00. Separate cartridges: Arsenostick, 18c each; 6 for \$1.00; Bordostick, 30c each; 4 for \$1.10; Nickostick, 35c each; 3 for \$1.00; Sulfostick, 25c each; 4 for \$1.00. By parcel post, 5c each extra.

## The Arnold Garden Hose Sprayer



This outfit attaches to your garden hose in place of the regular nozzle and by inserting the cartridge containing the insecticide makes your spray time playtime. Cartridge chamber is transparent to enable the operator to see when cartridge is distributed.

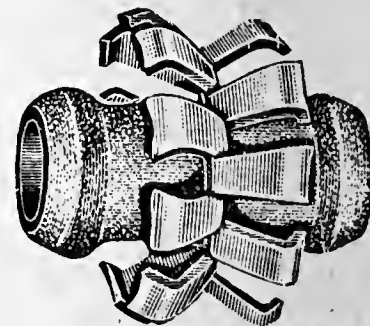
Price, Arnold Brass Garden Hose Sprayer, with four cartridges and extension rod, \$5.25; postpaid, \$5.50. Separate cartridges as follows: Arsenate of Lead, Bordeaux Mixture, Nicotine, Pyrethrum with Rotenone, Sulphur. Each, 35c; 6 for \$2.00. Balanced Fertilizer Cartridges, each, 20c; 6 for \$1.00.



No. 3368 Hose Coupling.

No. 3368. Clinch Hose Couplings. ½- or ¾-inch connection. Per set, 25c; postpaid, 35c.

No. 2768. Clinch Cast Brass Hose Menders. For ½- or ¾-inch hose. Each, 10c; 6 for 50c. Postpaid, each, 15c; 6 for 60c.



No. 2768 Hose Mender.



## Hudson Nozzles and Parts



No. 176 Perfection Shut-off Nozzle. Each	\$1.50
No. 166 Fog Nozzle. Each	.60
No. 168 Fog Nozzle. Each	.60
No. 1-N Fog Nozzle Cap. Each	.25
No. 2-N Fog Nozzle Washer. Doz.	.30
No. 3-NC Fog Nozzle Outside Disc, Regular. Each	.10
No. 3-NF Fog Nozzle Outside Disc, Fine. Each	.10
No. 4-N Fog Nozzle Inside Disc, Regular. Each	.10
No. 4-NW Fog Nozzle Inside Disc, Fine. Each	.10
No. 5-N Fog Nozzle Screen Disc. Each	.10
No. 5-X Leather Gasket for packing nut. Doz.	.30
No. 3-X Shut-off Valve Hose Nipple. Each	.10
No. 7-XL Shut-off Valve Pin Leather Tip, with slot milled for handle instead of drilled. Each	.25
No. 7XD Shut-off Valve, pin drilled. Each	.25
No. 2-X Shut-off Valve Handle, Old Style. Each	.20
No. 2-XD Shut-off Valve Handle, New Style. Each	.20
No. 6-X Shut-off Valve Spring. Each	.10
Check Valve Disc. For old style sprayer. Each	.15
Check Valve Spring. For old style sprayer. Each	.15
Check Valve, New Long Style, Complete. Each	.75

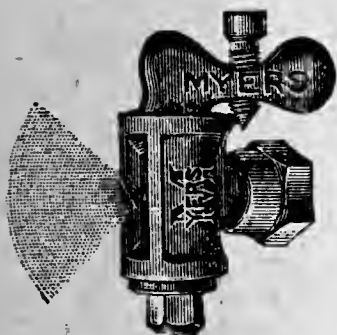
By mail, 5c each extra.

## Miscellaneous Sprayer Repairs

Barrel Spray Pump Leather Washers. Each	\$0.20
Bucket Spray Pump Leather Washers. Each	.10
Hand Spray Pump Leather Washers. Each	.10
Compressed Air Spray Pump Leather Washers. Each	.10
Rubber Gaskets for Compressed Air Sprayer. Each	.10

Postage, 5c each extra.

No. 19 Spray Lite Sprinkler. Throws a fine spray under or over foliage of plants. Each, 75c; postpaid, 85c.



The Bordeaux Nozzle. Will throw a solid stream or the finest spray desired, depending upon the adjustment. Nozzle will clear itself should it become clogged, by turning the handle. Threaded with 1/4 in. standard pipe thread.

No. 71. Bordeaux Nozzle. Price, \$1.00; postpaid, \$1.10.

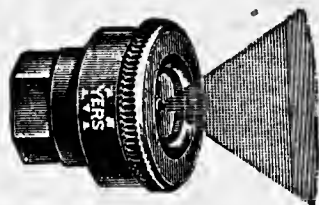
No. 126. Automatic Shut-off Nozzle. 3/4-inch connection. Each, \$1.25; postpaid, \$1.40.

No. 1937. Brass Shut-off Cock. 3/4-inch hose connection. Each, 90c; postpaid, \$1.00.

No. 67. Brass Gooseneck. 3/4-inch connection. Keeps hose from kinking. 50c each; postpaid, 60c.



Myers  
No. 1559 Angle Nozzle  
Each, 80c.  
Postpaid, 90c.



Myers  
No. 1290 Nozzle.  
Each, 70c.  
Postpaid, 80c.

Rubber Hose Washers. For all 3/4-inch nozzles or lawn sprinklers. Doz., 15c; postpaid, 20c.

No. 2417. Myers Automatic Spray Nozzle. For 3/8-inch connection. Each, \$1.50; postpaid, \$1.60.

## Hydrometers

For testing the baume of Lime-Sulphur solution. Each, \$1.00; postpaid, \$1.10.



No. 1564 Vermorel  
Spray Nozzle. Each,  
90c; postpaid, \$1.00.

## Spray Hose

Built to safely handle working pressure of 200 pounds, and to meet a bursting pressure test of 850 pounds. Furnished in 3/8- and 1/2-inch, in any length up to 500 feet.

3/8-Inch Spray Hose. Per foot	12c; postpaid, 20c
1/2-Inch Spray Hose. Per foot	16c; postpaid, 25c

25 feet or more, either size, 2c per foot less.

## Hose Connections



Female  
For 3/8- or 1/2-  
inch hose. 30c;  
postpaid, 40c.



Male  
For 3/8- or 1/2-  
inch hose. 30c;  
postpaid, 40c.

Hose Clamps. 3/8- or 1/2-inch. Each	\$0.05
No. 1279 Y Connection. Each	.65
No. 1380 45 degree Bend Connection. Each	.30
No. 1381 45 degree Double Bend. Each	.45

Postage 5c each extra.

## Rose Sprinklers

No. 129. 3/4-inch Connection. 2 3/4-inch face. Each	.25c
No. 2604. 3/4-inch Connection. 3-inch face. Each	.45c
No. 3604. 3/4-inch Connection. 4-inch face. Each	.60c

By mail, 10c each extra.



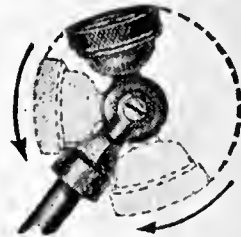
The No. 1283 Shut-off Cock has been carefully designed. Threaded with 1/4 in. standard pipe thread.

No. 1283 Shut-off Cock. Price, \$1.10; postpaid, \$1.20.

## Hudson Adjustable Aphis Nozzle

The Hudson Adjustable Aphis Nozzle may be used with any of our compressed air sprayers, bucket pumps, barrel pumps, or wheelbarrow outfits. Provides the proper angle of discharge for reaching undersides of leaves, plants, etc., necessary for controlling bean beetle, melon and cabbage aphids and similar pests. Has standard 1/4-inch iron pipe threads.

No. 155. Hudson Adjustable Aphis Nozzle. Each, \$1.25; postpaid, \$1.35.



## No. 145 Angle Spray Rod



Made entirely of brass, 5 1/2 feet long, weighs only 4 1/2 pounds. Automatic shut-off. Throws spray 30 feet from the nozzle. Ask for circulars. Price, each, \$7.45, f. o. b. Memphis.

## Bamboo Spray Pole



Brass lined, with one-piece lining, locked to poles at each end. Fitted with adjustable brass drip shield and stop cock. Recommended for all work where a longer rod than 4 feet is required.

No. 42. Spray Pole. 8 ft., with stop cock. Each, \$4.00.

No. 44. Spray Pole. 10 ft., with stop cock. Each, \$4.25.

## Extension Rods

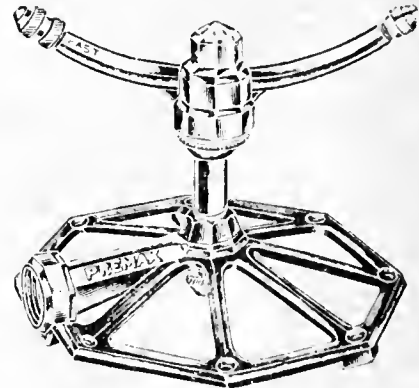
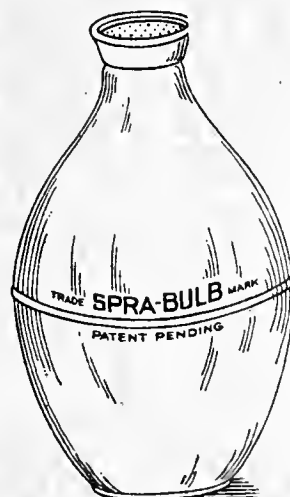


No. 172. Rod 2 ft., iron. Each	\$0.50
No. 172B. Rod 2 ft., brass. Each	.60
No. 173. Rod 3 ft., iron. Each	.55
No. 14. Rod 4 ft., iron. Each	.60
No. 174B. Rod 4 ft., brass. Each	1.00
No. 2418. Rod 18 in., brass. Each	.50
No. 2418. Rod 34 in., brass. Each	.75

By mail, add 10c each extra.

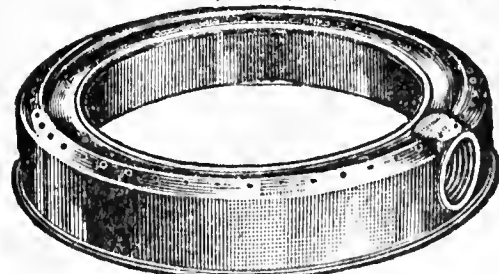
## Centro Spray Bulb

Can be used for dusting dry powders or spraying plants and flowers. Made of extra heavy rubber with removable head for instant filling 8-oz. bulb, 55c; mailed, 65c. 14-oz. bulb, 95c; postpaid, \$1.10.



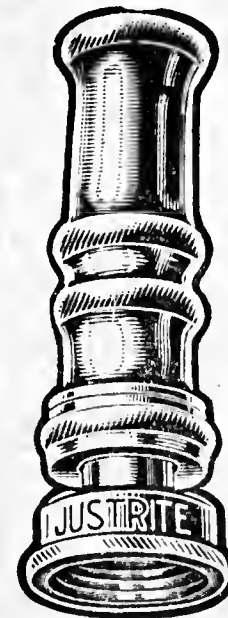
## Premax Lawn Sprinkler

The floating head sprinkler that revolves on a cushion of air. Covers large or small areas; throws a mist or heavy rain. Price, \$2.25; by mail, \$2.40.



No. 3856. Ring Lawn Sprinkler. 3/4-inch connection; brass top with galvanized base. Price, 60c; postpaid, 70c.

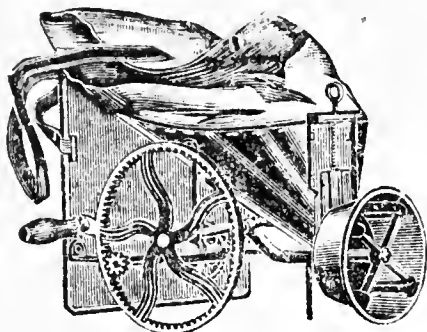
No. 85. Justrite Brass Hose Nozzle. 3/4-inch connection. Each, 60c; postpaid, 70c.



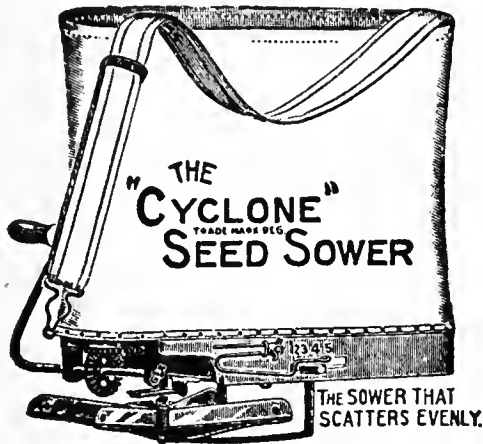


# R.-H. Co.'s Seed Sowers

## Cahoon Broadcast Seed Sower



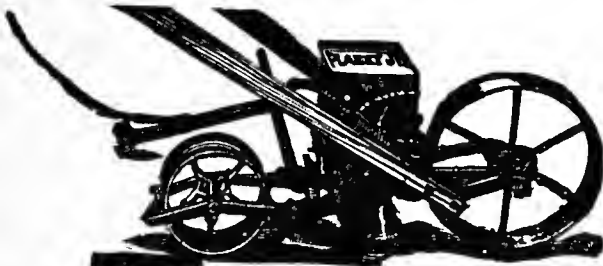
One of the best seeders manufactured, and sows all kinds of grain. Clover seeds, Lespedeza, etc. Very strong and durable. Each \$4.50, by parcel post, \$4.75.



Will sow Timothy, Clover, Lespedeza, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Works perfectly; has an agitating feed plate which insures a uniform flow of seed. Each, \$2.50; by parcel post, \$2.70.

## Planet Jr. Wheel Hoes and Seeders

A wheel hoe is almost a necessity in every garden except the very smallest. It does better work than can be done with a hand hoe and does it faster. We have found the Planet Jr. to be the best made. Full description sent on request. Write for free booklet.



No. 4D Planet Jr. Drill Seeder

## Planet Jr. No. 4D Seeder

Plants small seed in a continuous row or in hills 4-6 or 8 inches apart, or large seeds 12 to 24 inches apart. It is accurate and dependable. Weight, 40 lbs. Price, \$15.50.

## Planet Jr. No. 300A Drill Seeder

Many patented and exclusive features combine to make the No. 300A the finest tool on the market. It is most accurate, sows any seeds in a continuous row, covers them uniformly so you get a perfect stand. Weight, 34 lbs. Price, \$21.00.

## Planet Jr. No. 12 Wheel Hoe

A combined double or single wheel hoe, light and easy running for all garden work. Equipment one pair six-inch hoes, four cultivator teeth, one pair of plows, two leaf lifters. Weight, 30 lbs. Price, \$11.50.

## Planet Jr. No. 17 Single Wheel Hoe

A dandy light and easy running tool, does perfect work. This tool is a miracle for working the garden. Equipment: 1 pair six-inch hoes, three cultivator teeth, one large garden plow. Weight, 20 lbs. Price, \$8.00. No. S94. 5 Prong Cultivator Attachment for use on Wheel Hoes, 75c; mailed, 90c.

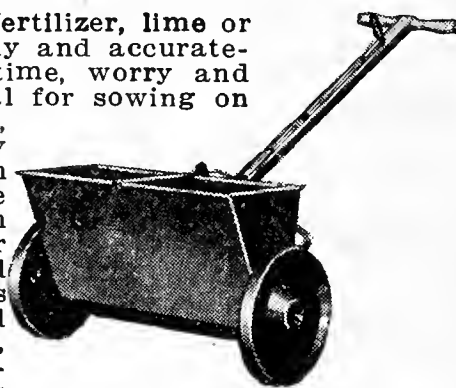


## Thompson's Royal Wheelbarrow Seeders

The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. The seed is never bunched. Seed is sown close to ground, hence the wind does not blow it. No. 13 Royal—Double Hopper. 14 feet in length, having an extra deep hopper, is the best for sowing Lespedeza seed in addition to sowing Alfalfa, Clovers, Millet, Timothy, Grasses, etc. With Chain feed. Each .....\$15.00

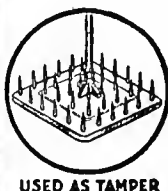
## Lawnette Fertilizer and Seed Distributor

Spreads fertilizer, lime or seeds, evenly and accurately. Saves time, worry and labor. Ideal for sowing on windy days, especially desirable on lawns since it puts down the fertilizer properly and evenly. It is equipped with gauge, etc., for controlling proper quantity to use. Easy running, sturdy machines that will last for years if properly taken care of. Made in 2 sizes. No. 15—14" wide .....\$2.90 No. 215—24" wide ..... 9.50

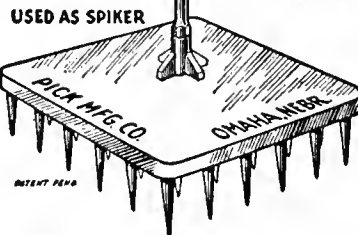


## Spike Tamper SPIKING THE LAWN

AN INDESTRUCTIBLE ALL METAL TOOL MADE OF QUALITY MATERIALS. WEIGHT 11½ POUNDS OVERALL LENGTH 4 FT. PLATE 9 INCHES SQUARE. SPIKES 1¼ INCHES LONG.



USED AS TAMPER



USED AS SPIKER

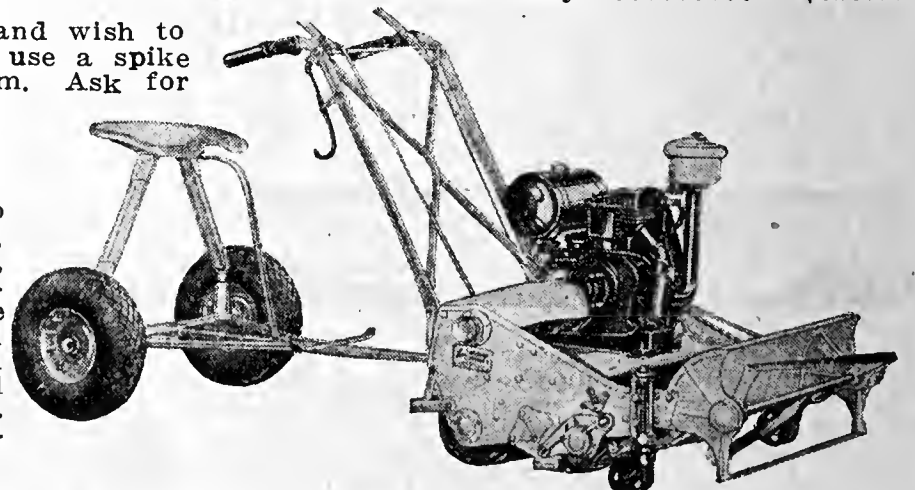


"THE LAWN MAKER'S FRIEND"

Spiking or perforating the lawn is desirable at any time. This aerates the soil and cultivates the grass, breaks up the hide bound condition of the roots and allows water to enter. This develops deep and extensive root systems. Hard spots or terraces which turn brown should be spiked and watered. They will quickly revive and turn green. Stiff soil to which a little sand should be added may well be spiked, sanded and watered. If you want a real lawn and wish to keep the grass from dying, use a spike tamper. We guarantee them. Ask for circulars. Price \$4.00 each.

## Agicide

A new insecticide used to control aphides, mealy bug, Mexican bean beetle, thrips, leaf hoppers, etc. Also controls plant diseases. Agicide is a sure and effective control of the troublesome squash bugs, cucumber beetles and worms in cantaloupes. 12-oz. Handy Blower pkg., 75c; postpaid, 85c.



## Thompson No. 101 Universal Distributor



An all purpose distributor, broadcasts uniformly at any rate application required. Hopper capacity 1½ bushels of seed or one 100 lb. bag of fertilizer, spreading width 10 feet.

It will sow all fine solid seeds such as Red Top Alfalfa, Clover, Timothy from 4 lbs. per acre up. It also sows all light chaffy seeds such as lespedeza, Orchard grass, Rye grass and Lawn seeds. The New No. 101 Distributor will also sow all grain, cowpeas, soy beans, etc. Also all types of fertilizer like Cyanamid, Nitrate of Soda and commercial brands from the finest powders to large granular forms as low as 25 lbs. to the acre up to maximum quantities recommended.

The machine has a positive shutoff slide, Hopper is mounted underneath handles so that the wind does not affect uniform distribution. Weight of distributor 90 lbs. It is sturdy and well built with a substantial 32 inch steel wheel having a 2½ inch run so it operates well on tilled soil or turf. Price 10 ft. Thompson No. 101, Universal Distributor, less cover, \$26.00; with cover, \$27.00 f.o.b. Memphis.

## Combination Fertilizer and Feed Distributor

This outfit will broadcast all kinds of seeds such as Lespedeza, lawn grass, clovers, sudan grass, millet, oats, etc., as well as distribute evenly fertilizer, such as Vigoro, bone meal, sheep manures, nitrate of soda, cyanamid, etc. It can be easily regulated to put out any desired quantity. Each, \$3.50; postpaid, \$3.70.

## The Horn Seed Sower

A splendid little tool. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and Grasses. Each, 95c; by parcel post, \$1.05.

## Cooper Power Lawn Mowers

Here you have real lawn mowing at low cost. A twist of the wrist controls the power, engineered and built like a motor car. The Cooper Power Mowers are designed by experts, they are efficient and satisfactory in every way. All are equipped with Briggs & Stratton, 4 cycle valve in head automotive type motors with easily adjusted ball-bearing high quality cutting unit. Ask for circulars giving full specifications on the following sizes. Price f.o.b. Memphis.

Cooper Clipper 18-inch Power Mower .....\$ 84.50  
Cooper Royal 20-inch Power Mower .....210.00  
Cooper Imperial 27-inch Power Mower ..... 295.00  
Cooper Imperial 27-inch Power Mower with Sulky .....\$325.00



# R. H. Co.'s Flower Pots and Garden Tools

All prices are f.o.b. Memphis, unless stated otherwise.

## Paper Pots

	100	1000
2 1/4 in. ....	\$0.50	\$3.40
2 1/2 in. ....	.50	3.50
3 in. ....	.60	4.25
4 in. ....	.80	6.50

## Earthenware Flower Pots

	Doz.	100
2 in. ....	\$0.20	\$1.25
2 1/4 in. ....	.25	1.40
2 1/2 in. ....	.25	1.50
3 in. ....	.30	2.00
4 in. ....	.35	2.50
5 in. ....	Each	Doz.
6 in. ....	\$0.07	\$0.65
7 in. ....	.10	.95
8 in. ....	.15	1.60
10 in. ....	.20	2.25
12 in. ....	.40	4.25
	.75	8.50

Azalea or 3/4 size pots; 6-inch, 7-inch, 8-inch, 10-inch—same prices as standard pots.

## Flower Pot Saucers

	Doz.	Doz.
6 in. ....	\$0.50	8 in. .... \$1.15
7 in. ....	.80	10 in. .... 2.15

## Baskets

	Each	Doz.
1/2 bu. wire bale, picking ....	\$0.20	\$2.00
1 bu. side handle, stave ....	.15	1.15

## Steel Broom Rake

No. FBR22, 95c. Made of spring wire.

## National Eazy Wear Garden Gloves

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "medium," "Large" — for men: "Medium," and "Large." Price, 75c a pair. By mail, 85c.

## Garden Flower Shears

No. 1248. Snips and holds the flower at one operation. 59c pair; by mail, 70c.

## Gardex Garden Tools

No.	Each
No. 1004—4 1/2-ft. handle—Pull Hoe .....	\$0.60
No. 1005 1/2—5-ft. handle—Pull Hoe .....	.75
No. 1503—4 1/2-ft. handle—Cultivator .....	.60
No. 400—4 1/2-ft. handle—Turf Edger .....	.75
No. 2006—5-ft. handle—Hand Plow .....	1.00
No. 4006—5-ft. handle—Row Marker .....	.75
No. 700—7 in. handle—Hand Weeder .....	.20

## Hand Corn Planters

Especially desirable for replanting corn, etc. Both styles, either the one-hand or two-hand planters are accurate, strong and durable. They can be set to plant two to six grains in a place as required; simple and easy to operate. Price: No. 311. One-hand planter, \$2.00 each; No. 306, two-hand planter, \$1.25 each.

## Hedge Shears



No.	Each	Mailed
No. 600—6-inch .....	\$0.95	\$1.15
No. 800—8-inch .....	1.50	1.70
No. 900—9-inch .....	1.75	2.00

## Grass Shears

For trimming the edges of walks or driveways.

No.	Each
No. 4—Polished Grasnips .....	\$0.50
No. 3—Polished Grasnips .....	.65
No. 1—Notched Grasnips .....	.85
No. 90—Spring Blade grass trimmer. ....	.35
No. V-2—Spring Blade grass trimmer .....	.50

## Grass Hooks or Sickles

No. 3—Offset Handle, each .....	\$0.50
No. 12—Scythe style, each .....	.55
No. 165—Grass Whip, each .....	.85

## Hanging Flower Baskets

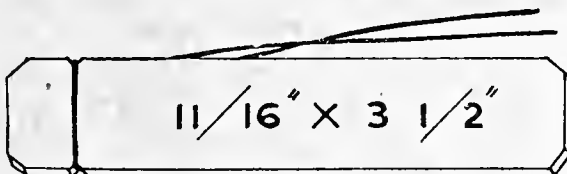
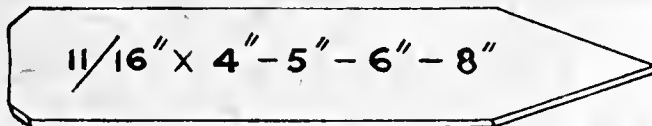
12-inch, each 35c; mailed, 50c.

Green Moss for Baskets, lb., 35c; mail, 45c.  
Spaghnum Moss, Standard bale, \$1.60.

## Plant Stakes

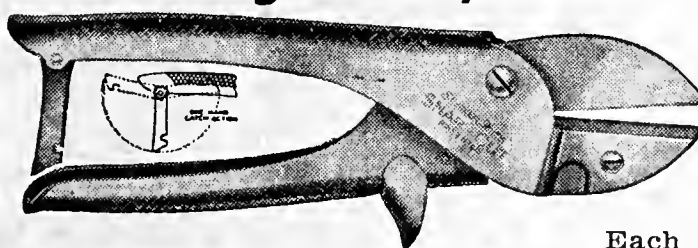
	Doz.	100
Green Bamboo, 4 ft. ....	\$0.20	\$0.80
Natural Cane Stakes, 6 ft. ....	.60	4.00

## Pot Plant and Tree Labels



	100	1000
4-inch Wooden, Plain .....	\$0.35	\$1.80
6-inch Wooden, Plain .....	.45	2.25
8-inch Wooden, Plain .....	.50	3.00
10-inch Wooden, Plain .....	.60	4.50
3 1/2-inch Copper Wired Tree Labels .....	.35	1.80
Add 15c per 100 and 50c per 1000 for mailing.		

## Pruning Shears, Hand



No.	Each
No. 119. Snap Cut, Standard Size .....	\$1.75
No. 118. Snap Cut, Ladies Size .....	1.40
No. R-10. Hand Shears, 8-inch .....	.50
No. V-1409. Hand Shears, 9-inch .....	1.00

## Pruning Shears

	Each
No. V-20. 26-inch handle .....	\$1.75
No. V-40. 26-inch handle .....	2.40

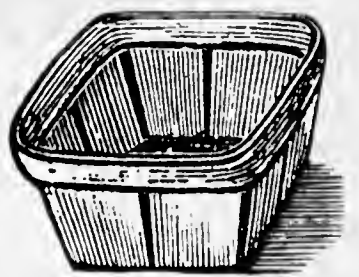


## Pruning Saws and Tools

No.	Each
No. 514. 20-inch Curved Pruning Saw .....	\$1.35
No. 10. Telephone Tree Pruner, less pole .....	1.40
No. 13. 12-foot, 3 Section Tree Pruner with pole .....	2.75

## Strawberry Boxes

1 Pint, 70c per 100; mailed, \$1.00. \$5.75 per 1000, at store.
1 Quart, 75c per 100; mailed, \$1.15. \$6.25 per 1000 at store.



## Peach and Tomato Baskets

2 Qt., \$1.10 per 100; \$10.00, 1000.
3 Qt., \$1.15 per 100; \$11.00, 1000.

## Seed and Grain Cleaner

Clipper Cleaner. These have vertical air blast cleaners, fans, and separators. Also cleans all kind of seeds and grains. No farmer should be without one. Clean your seed before you sell or plant them. Ask for Circulars.

No. 1-B Hand Power Clipper Cleaner. Each .....	\$45.00
No. 2-B Semi Power Clipper Cleaner. Each .....	50.00

## Mole Trap

Reddick, each, \$1.25; mailed \$1.45.  
Little Giant, each, \$1.00; mailed \$1.25.

## Raffia

For tying or bunching vegetables or plants, also used when budding. Small hanks, per lb., 40c; 10 lbs., \$3.00; by mail, hank, 35c.

## Twines

2-Ply Jute. 1/2-lb. ball 10c; doz. balls .....	\$1.00
2-Ply Jute. 25-lb. coil, 100 ends, coil .....	4.00
6-Ply Cotton Twine. 3-oz. ball, 5 lbs. for .....	1.35
6-Ply Cotton Twine. 2 1/2-lb. cone, each .....	.70
Standard Binder Twine, 5-lb. ball each .....	.60

## Weed Cutters

	Each
Lively Two-edged cutter .....	\$1.00
Extra blades for same .....	.45
No. 170. Village Weed Cutter .....	.90
No. 12. Village Weed Cutter .....	.50

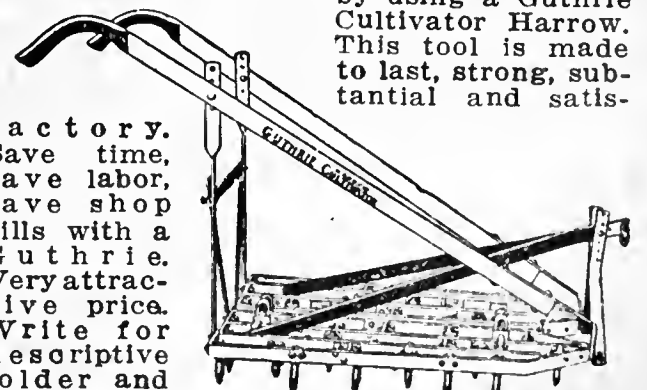


## Miscellaneous Tools

No.	Each
No. 219. Asparagus Knife .....	\$0.35
No. 7. Corn Knife .....	.40
No. 12. Cane Knife .....	.60
No. 219. Dandelion Weeder .....	.35
No. 223. 23-inch Dandelion Weeder. ....	.50
No. 10. Weatherproof Pencil ....	.10
No. 2219. Garden Dibble .....	.50
No. T-4. Garden Trowel .....	.10
No. T-10. Garden Trowel .....	.75
No. T-15. Garden Trowel, Long Handle .....	.35
No. T-20. Garden Trowel .....	.25
No. 7. Garden Trowel, Aluminum .....	.60
No. 30. Garden Trowel, Planet Jr., Lifetime .....	.50
No. F-30. Hand Garden Fork, 3 tine .....	.45
No. 150. Hand Garden Cultivator, 3 prong .....	.60
No. 90. Sowrite Hand Seeder .....	.45
No. 60. Knee Pads .....	1.00

## GUTHRIE HARROW CULTIVATOR

Works fast, cultivates any width of row. You will make a better crop of cotton or corn by using a Guthrie Cultivator Harrow. This tool is made to last, strong, substantial and satisfactory. Save time, save labor, save shop bills with a Guthrie. Very attractive price. Write for descriptive folder and quotation.





# Dog Accessories

Every dog has his day but there are only a few of them who have collars. The dog is your best friend; dress him with our good dog furnishings.

## Dog Collars

**No. E Collar.** All leather, unlined, with plain buckles. These are  $\frac{5}{8}$  inch wide and come assorted lengths and colors. Give size of neck when ordering. Price, any length, each 25c; postpaid, 35c.



**No. 110 Collar.** Black or russet leather, unlined, with plain buckle, solid Dee, one inch wide, 17, 19, and 21 inches long. State size when ordering. Price, any length, each, 35c; postpaid, 45c.

**No. R Collar.** A good strong unlined collar, studded, one inch wide, comes 17, 19, and 21 inches long, black or tan leather. Give size when ordering. Each, 60c; postpaid, 70c.



**No. 5410 Collar.** Heavy leather, well studded, unlined, finished edges, black and russet, 1 to 1 $\frac{1}{4}$  inches wide, 17 to 23 inches long, with lock-tongue buckle. State size wanted. Price, any length, each, 85c; postpaid, 95c.

**No. 5188 Collar.** A round leather, very strong, durable and showy collar. 19, 21, and 23 inches long. Give size of neck when ordering. Each, \$1.00; postpaid, \$1.10.

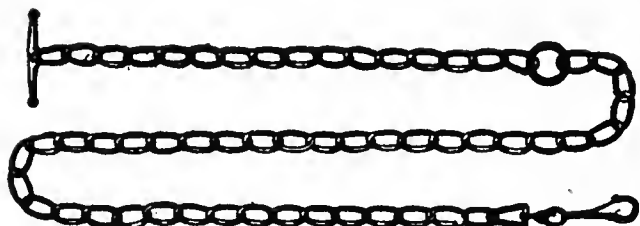
## Dog Leads



**No. 8.** 48 inches long, round, and plaited black or russet leather. Each, 60c; by mail, 70c.



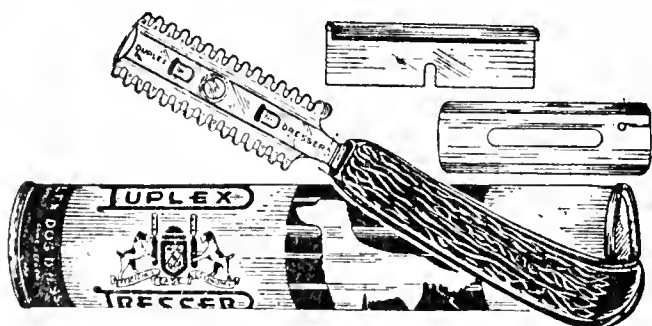
**No. 11.** 48 inches long, round, imitation leather. Each, 50c; by mail, 60c.



**No. 25.** 6-foot chain lead, medium heavy, nickel. Each, 35c; by mail, 45c.

**No. 49.** 4 $\frac{1}{2}$ -foot chain lead, light, nickel. Each, 25c; by mail, 35c.  
**No. 45.** Choke chain lead, nickel, 18, 20, and 22 inches in length. Each, 50c; by mail, 60c.

## Duplex Stripping Comb



Strips and trims any dog, gives a smooth, even finish. Price, \$1.00; postpaid, \$1.10.

## Duplex Nail Nippers

Especially desirable for trimming dogs' toe nails, does the work quickly and without any pain to the dog. Price, each, \$1.50; postpaid, \$1.60.

## Dog Muzzles, Leather

**No. 10.** A good strong, all leather muzzle for all breeds.  $\frac{1}{2}$ -inch for small dogs,  $\frac{3}{8}$ -inch for medium dogs,  $\frac{1}{4}$ -inch for large dogs. Each, 60c; by mail, 70c.

## Dog Muzzle Baskets

**No. 205.** These have a woven leather basket, with leather straps and make a convenient and durable outfit for small, medium or large breeds.

**Nos. 1, 2, 3, 4.** Small sizes. Each, 50c; by mail, 60c.

**Nos. 5, 6, 7, 8.** Medium sizes. Each, 75c; by mail, \$1.00.

**Nos. 9, 10.** Large sizes. Each, \$1.00; by mail, \$1.30.

## Dog Harness

These are all made of the best quality leather. The edges are rolled and finished uniformly, and make a fine appearance. Always give size when ordering.

**No. C 238 Harness.** Unlined, spotted,  $\frac{3}{8}$  inch wide, 12, 14, 16, and 18 inches long, black, russet, red or green leather. Each, 50c; by mail, 60c.

**No. C 138 Harness and Lead Combination.**  $\frac{3}{8}$  inch wide, 12, 14, 16 and 18 inches long, black, russet, red and green leather. Each, 50c; by mail, 60c.



**No. C 110 Harness.** Very strong and durable, unlined, one inch wide, 28, 30, and 32 inches long, black or russet leather. Each, \$1.75; by mail, \$1.90.

**No. C 210 Harness.** Extra heavy and strong, one inch wide, black or russet leather.

20 in. long, \$1.75; mailed, \$1.90.

32 in. long, \$1.90; mailed, \$2.10.

34 in. long, \$2.00; mailed, \$2.20.

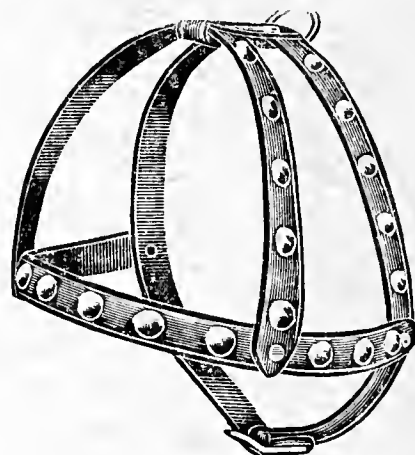
38 in. long, \$2.20; mailed, \$2.40.

**No. S 212 Harness.** Flat, unlined and spotted,  $\frac{1}{2}$  inch wide, 18, 20, and 22 inches long, in black or russet leather. Each, 60c; by mail, 75c.

**No. S 258 Harness.** Flat, unlined and spotted,  $\frac{5}{8}$  inch wide, 22, 24, and 26 inches long, in black or russet leather. Each, 75c; by mail, 90c.

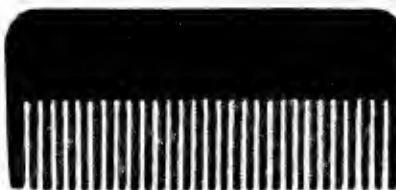
**No. S 234 Harness.** Flat, unlined and spotted.  $\frac{3}{4}$  inch wide, 24, 26, and 28 inches long, in black or russet leather. Each, \$1.00; by mail, \$1.15.

**No. 5218 Harness.** Unlined flat, plain leather, one inch wide, in two colors. Each, \$1.00; by mail, \$1.10.



## Dog Combs

**No. 5 Dog Comb.** Steel and nickel, with coarse teeth. Each, 50c; by mail, 60c.



**No. 6 Dog Comb.** Has fine teeth, a real steel flea comb. Each, 60c; by mail, 70c.

**No. 8 Dog Comb.** Steel and nickel with handle and medium spaced teeth. Each, 65c; by mail, 75c.

**No. 15 Dog Comb.** Steel and nickel with fine and medium spaced teeth. Each, 65c; by mail, 75c.

**No. 63 Dog Brush.** Bristle edge, oval shape with leather strap for convenient handling. Each, 45c; by mail, 55c.



## Dog Sweaters and Blankets

**Dog Sweaters.** Best quality, all virgin wool, assorted colors. Sizes 8, 12, 14, 16, 18, 20. Specially priced at \$1.00 each. By mail, \$1.10.

**Dog Blankets.** Of heavy Scotch plain and plaid materials. Trimmed in assorted colors with side buckle. Sizes 10, 12, 14, 16, 18, 20. An excellent value at \$1.00 each. By mail, \$1.10.

## Dog Accessories

**Dog Bone.** Pure gum rubber, chocolate scented; makes a splendid toy for your pet. Each, 25c; by mail, 35c.

**Dog Balls.** Indestructible; excellent for exercising the dog. Each, 20c; by mail, 25c.

**Tingle Dog Balls.** Assorted colors. Each, 15c; by mail, 20c.

**Catnip Mice.** No. 1 cloth, most excellent toy for dogs and pets. Each, 10c; by mail, 15c.

**Locks.** Small size with key for dog collars. Each, 15c; by mail, 20c.



# R.-H. Co's Dog Foods

It pays to use our prepared Dog Foods as your dogs will keep in better condition and health. We are headquarters for the best Dog Foods and sell at factory prices, as we are carlot buyers. Our stocks are always fresh and dependable, all manufactured on a scientific, balanced ration basis.



**MILLER'S DOG FOODS**

**Your Dog -**

DEPENDS upon you for a balanced diet. Keep him healthy and happy. Add years to his life by feeding Miller's biologically tested Dog Foods once a day.

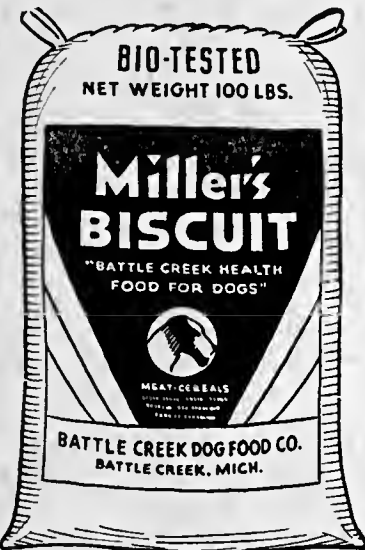
## Miller's Dog Ration

Miller's Dog Ration is one of the best balanced dog foods in the United States. Contains cereals, meat, bone, yeast and cod liver oil. It is fed to hunting dogs, police dogs, fox terriers, bulldogs and all other kinds—it is also fine for puppies. It is cooked and ready to use when received. 3 lbs., 25c; 10 lbs., 65c. Postpaid, 3 lbs., 40c; 10 lbs., 90c.

## Miller's Dog Biscuit

Miller's Biscuits—besides providing the gnawing foods all dogs need for clean, strong teeth, healthy gums, and good digestion—supply food for all of your dog's body so that no organs age faster than others through lack of correct nourishment. Help your dog live longer. Feed Miller's Biscuits 4 or 5 mornings a week.

1 lb., 10c; 10 lbs., 90c. Postpaid, 1 lb., 20c; 10 lbs., \$1.15.



## Miller's Kibbled Biscuit

Miller's Kibbled Dog Biscuit is the same as whole only in broken form, which makes it convenient for mixing with vegetables, meat fish, soups, broths, etc.

1 lb., 10c; 10 lbs., 90c. Postpaid, 1 lb., 20c; 10 lbs., \$1.15.

## Miller's Puppy Meal

Miller's Puppy Meal is especially adapted for the tender digestive organs of puppies. 1 lb., 10c; 10 lbs., 90c. Postpaid, 1 lb., 20c; 10 lbs., \$1.15.

## Miller's Meaties

The Cube form of Miller's Dog & Puppy Ration. A most convenient method of feeding dogs, and do they like it! No other cube form of dog feed can compare with Miller's Meaties. The animal is the judge; he knows best what he likes.

All in cube form, a most convenient food to have on hand, ready instantly for feeding the pets. 3 lbs., 25c; by mail, 40c. 10 lbs., 70c; by mail, 95c.

## Tricks Your Dog Can Do

This 24-page booklet sells for 10c, and gives you explicit directions for training and teaching tricks to your dog. We will send you a copy free with every order for \$2.00 or more worth of dog remedies. Ask for it if you want a copy.

## Champion Dog Foods

Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs.

	2 lbs.	10 lbs.
Champion Dog Biscuit	.....\$0.25	\$1.10
Champion Kibbled Biscuit	....	.25 1.10
Champion Puppy Biscuit	....	.25 1.10
Champion Puppy Meal	.....	.25 1.10

By mail, 2 lbs., 35c; 10 lbs., \$1.35.

## Thorobred Dog Food

A perfectly balanced dog food; contains no waste or by-products. Ingredients—whole wheat, dehydrated beef, yellow corn meal, milk, Cod Liver oil, Bone Meal. Minerals and salt.

Thorobred Crackels, ground biscuit form—2 lbs., 20c; 10 lbs., 90c. Postpaid, 2 lbs., 30c; 10 lbs., \$1.15.

Thorobred Meal fine for puppies—3 lbs., 25c; 10 lbs., 65c. Postpaid, 3 lbs., 40c; 10 lbs., 90c.

## Bennett's Dog Biscuit

A superior biscuit. Keeps dogs in good condition. Per box., 35c; by parcel post, 45c.

## Bennett's Puppy Biscuit

Especially prepared for puppies. Per box., 35c; by parcel post, 45c.

## Animal Yeast Foam

The amazing food supplement that keeps dogs and cats healthier and happier. Improves appetite and digestion, gives thicker, glossier coat, keeps skin cleaner. Feed it as directed and you won't have any ailing dogs. 4-lb. box, \$1.00; by mail, \$1.15.

## Cedar Bedding

A cedar bedding for all dogs, containing all the oil and original odor of the red cedar wood. Brown's Supercedar keeps down flies, is sanitary. Keeps down that doggy smell.

5-lb. bag, 35c; 25-lb. bag, \$1.25; 50-lb. bag, \$2.00. By mail, 5-lb. bag, 55c.



## Fleischmann's Yeast



Irradiated Dry Yeast aids digestion and increases the appetite of all animals. A Vitamin deficient diet invites skin trouble—itch, eczema, etc. A spoonful of Fleischman's Dry Yeast, which is rich in Vitamins B, G and D, will easily correct this trouble. 3½-oz. can, 25c; 8-oz. can, 50c; 1-lb. can, 85c; 5-lb. can, \$3.50. By mail, 35c, 60c, 95c, and \$3.70.

## P. H. Powders

A marvelous powder for pets, dogs, puppies, cats, rabbits, etc. If the animal gets off food, use P. H. Powders and watch the benefits. Guaranteed not to injure any pet even if fed in excessive doses. 4-oz. size, 75c; 1½-lb. size, \$1.50. By mail, 4 ozs., 80c; 1½ lbs., \$1.60.

## "DOGZOFF"

Copyright 1933

Spray it on shrubs and evergreens to keep them from becoming a nuisance and to prevent the Evergreens from dying; not offensive to human being. One spraying will last three or four weeks. Will also drive out moles when put into the runs. Bottle, 60c; by mail, 65c.

## Dog Scat

Will keep dogs from evergreens, shrubs and plants, etc. Dogs and cats hate it. Guaranteed to do the work. Per tube, 30c; by mail, 40c.

## Kit Kat

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. 25c a box. Mailed, 35c.

## Lactol



For rearing puppies there is nothing like it. Lactol is a valuable food for sick dogs, especially for animals recovering from any serious sick spell. Full directions for using are on the packages. 9-oz. can, 75c; 2¼-lb. can, \$2.50; by mail, 85c and \$2.65.



**DUST ON JUST ONE SPOT** and kill all the fleas on the dog or cat. **SAFE - SURE GUARANTEED** ONE-SPOT does not repel fleas. It **KILLS** Fleas, Lice and Bedbugs. 25c and 50c

By mail, 30c and 60c.

## On-The-Nose

A new method for treating dogs. When spread on the dog's nose like salve, it is immediately licked off. The dog then takes its own dose; it prevents and aids in case of distemper, colds, etc. It is also a mild purgative and tonic, highly recommended by Veterinarians and Dog fanciers—it is fully guaranteed. Price, \$1.00 a tube, postpaid.

## Nose Lax

A perfect animal laxative simple and easy to use. A small dab on the nose and the animal will instinctively lick it off.

Nose Lax is not a severe or drastic dose, therefore does not leave the puppy or dog in a weakened condition.

Price, 50c a tube, postpaid.

## Cooper's Magic Disinfectant

Holds down odors and fleas in kennels, in addition gives a healthy condition to all surroundings. ½ pt., 25c; pt., 35c; qt., 60c; gal., \$1.50. Not mailable.

## Squibb's Vionate

An agreeable and beneficial mineral supplement to be added to the diet of dogs. Vionate Squibb supplies Vitamin B in abundance, assuming a sustained appetite when included in the diet. It also supplies calcium, phosphorus, iodine, and iron. Vionate is most excellent for use with puppies, as it furnishes just the right minerals to promote growth and prevent diseases.

½-lb. tin, 50c; by mail, 60c. 2-lb. tin, \$1.65; by mail, \$1.75. 10-lb. drum, \$6.75; by mail, \$7.00.

## Liquid Garlic

The ideal natural conditioner for dogs and cats, odorless soon after taking.

When used regularly it overcomes poor appetites, fermentation, worms, constipation, gas and poor coats. Liquid Garlic is a general tonic for run down conditions in puppies and old dogs and a general intestinal disinfectant to hold down parasites and acts as a preventative of Toxemia, promoting proper intestinal action.

2-oz. bottle, 50c; 4-oz. bottle, \$1.00; 8-oz. bottle, \$1.75. By mail, 60c, \$1.10, and \$1.85.





## Miller's Quick Lunch

A clean meat product 55% beef designed to meet the needs of a quick lunch for dogs and puppies; rich in protein and organic matter. Can be used as a complete food, or with Miller's Ration. 1-lb. can, 10c; 12 cans, \$1.00. Postpaid, 1 can, 20c; 12 cans, \$1.40.

Prices on case lots of Canned Meat for dogs quoted on our Green Ink List.



## Ken-L-Ration

The Dog Food Supreme. These Foods are Literally Full of Vitamines. Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil. A perfect balanced ration. 1-lb. can, 10c; 12 cans, \$1.00. Postpaid, 1 can, 20c; 12 cans, \$1.40.

## Hill's Dog Food

A highly nutritious wholesome food for dogs of all ages. Carefully proportioned, cooked and ready to serve; contains meat, meat by-products, bone meal, cereal, soy bean meal, flour, wheat flour, and cod liver oil. Sold at a moderate price. 1-lb. can, 6c; 12 cans, 60c. By mail, 1 can, 16c; 12 cans, \$1.00.

## Red Heart Canned Dog Food

is available in 3 different flavors, beef, fish and cheese flavor. All three diets are made from the same nutritious ingredients—beef by-products, beef, vegetable meal, cereals, bone-meal, and cod liver oil. Completely U. S. Government inspected and fit for human consumption. 1-lb. can, 10c; 12 cans, \$1.00; by mail, 1-lb. can, 20c; 12 cans, \$1.40.

## Rhit-O Laxative Pills

Should be given after all worm treatment in dogs and puppies. It makes the worm medicine more effective as it drives the worms out of the system. Per box, 20c, postpaid.

## Rhit-O Condition Pills

An alternative tonic for puppies and dogs of all ages; one or two pills three times daily will do wonders if your dog is in a weakened condition. Price, 25c a box, postpaid.

## Ween

The most modern food for puppies and young dogs, like the mother dog's milk. Ween is easily digested, easily assimilated. Makes puppies thrive and grow. Ween is a liquid food to replace mother dog's milk for puppies. It is easy to use; saves orphan puppies, helps mother dog, and is fine at weaning time. Ween will save you many a puppy. 16-oz. can, 15c; 12 cans, \$1.50. By mail, can, 25c; 12 cans, \$1.80.

*If Your Dog Scratches  
He's Asking For*  
**QUADINE**



The all-purpose skin remedy for dogs cures and prevents mange, eczema, vermin, cuts, ringworm, and does away with that doggy odor. Safe, easy and convenient to use.

Quadine is a non-mussy volatile oil that penetrates the affected areas without injury to tissues. Safe for puppies, good for bleeding or cropped tails. Quadine means no mange, eczema, fleas or vermin.

Quadine is praised by Kennels, Sportsmen, and dog owners everywhere. It does what the manufacturers say it will do; cures skin diseases and improves the dog's coat and what's more, it's economical to use. Give your pets a treat with Quadine.

2-oz. Trial size Quadine	\$0.60	Post-paid \$0.70
4-oz. bottle	1.00	1.10
12-oz. bottle	2.00	2.15
No. 1—Quadine Sprayer	1.50	1.60
No. 10—Quadine Sprayer	2.50	2.65
SPECIAL OFFER—One 2-oz. bottle Quadine and One No. 1 Quadine Sprayer—Only \$1.50; postpaid, \$1.60.		



## Pulvex 6-Use Dog Soap

Oils the skin, tones kills fleas deodorizes "doggie" odors, cleans, gives hair a dog show sheen—all in a single operation. The most economical to use because the supersize cake outlasts two ordinary size cakes. Price, 50c; by mail, 55c.

## Pulvex Combination Treatment Worm Capsules

This is the only treatment in one package that expels Tape and Round (ascaris) and Hook Worms. When you use these capsules you need not know a thing about these worms or which type or types of these worms afflict your dog. Just follow the simple directions and your dog will be correctly and completely wormed without gassing, gagging or harmful effects. In either a "Puppy-size" or a "Dog-Size" package. Price, 75c; postpaid, 80c.



## Pulvex Tape and Round Worm Capsules

For treating dogs and puppies infested with tape and round worms. Doz., 50c; by mail, 60c.

## Pulvex Flea Powder

Actually kills fleas instead of merely stupefying them. Prevents reinfestation for days. Odorless, non-irritating and harmless. Shaker top 2-oz. can, 50c; 12-oz can, \$1.25. By mail 55c and \$1.35.



## Sopex, the Exhibitors' Shampoo

Ultrafine vegetable compound that cleans thoroughly, kills fleas and lice and leaves the hair with a beautiful, silky dog show sheen. Not to be rinsed off. 4 ozs., 75c; by mail, 80c.

## Pulvex Kur-Maige

Ideal wash or dressing to relieve itching and kill the mites that cause sarcoptic mange. Kills fleas and lice. Price, 75c; by mail, 80c.

## Pulvex Dry Cleaner

Cleans dog perfectly without water. Ideal in cold weather. Kills fleas, destroys odors and gives hair new lustre. 50c; mailed, 55c.

## Miller's Conditioner

Dogs who go off their feed occasionally, get listless or sluggish and sometimes scatch because of skin trouble, are usually put back in condition quickly with Miller's Conditioner.

It is invaluable for bitches in whelp and is a great aid in making rich Alkaline milk and for helping puppies grow sound bones and teeth. 4-oz. can, 35c; 8-oz. can 60c; 16-oz. can, 90c. By mail, 40c, 70c, and \$1.00.



## Miller's Dog Soap

A highly scented dog soap, that has flea-killing abilities. Miller's Soap is really a boon to dog owners. Price, cake, 20c; 6 cakes, \$1.00. By mail, 30c and \$1.15.

## Sergeant's Dog Remedies

Meet Your  
Dog's Best Friend



## Sergeant's DOG MEDICINES

	Each	Post-paid
Sergeant's Arsenic Iron Pills	\$0.60	\$0.65
Sergeant's Canker Wash	.60	.65
Sergeant's Carbolic Tar Soap	.25	.30
Sergeant's Condition Pills	.60	.65
Sergeant's Disinfectant, 4 ozs.	.25	.35
Sergeant's Diuretic Pills		
Rheumatism	.60	.65
Sergeant's Expectorant Medicine—Coughs	.60	.65
Sergeant's Eye Wash	.60	.65
Sergeant's Intestinal Astringent—Diarrhea	.60	.65
Sergeant's Laxative Capsules	.60	.65
Sergeant's Liniment	.60	.65
Sergeant's Mange Medicine	.65	.75
Sergeant's Mouth Wash	.60	.65
Sergeant's Nerve Sedative—Running Fits	.60	.65
Sergeant's Pine Oil Disinfectant	.60	.70
Sergeant's Pepsin Tablets	.60	.65
Sergeant's Puppy Worm Caps	.60	.65
Sergeant's Skip Flea Powder	.25	.35
Sergeant's Skip Flea Soap	.25	.30
Sergeant's Special Distemper	1.20	1.30
Sergeant's Sure-Shot Worm Caps	.60	.65
Sergeant's Sure-Shot Worm Liq.	.60	.65
Sergeant's Tape Worm Medicine	.60	.65
Sergeant's Cod Liver Oil Caps	.60	.65





## Delcreo Dog Remedies

The Delcreo Dog Remedies are endorsed by the leaders of the kennel world.

Delcreo—For Distemper and Black Tongue:	Each	Post-paid
4-oz. bottle .....	\$1.50	\$1.60
16-oz. bottle .....	5.00	5.25
Delcreo Tonic, 2-oz. bottle ...	.75	.85
Delcreo Cod Liver Oil, 4 ozs...	.30	.40
Delcreo Cod Liver Oil, qt. ....	1.00	1.15
Delcreo Laxative, 4 ozs. ....	.35	.45
Delcreo Sulfinol, 4 ozs. ....	.50	.60
Delcreo Worm Caps—		
Puppy size .....	.40	.45
Dog size .....	.40	.45
Delcreo Sulphur Compound ..	1.00	1.10

## "Tet" for Worms

### Tetrachlorethylene

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth.

Box for large size dogs, \$1.00. Per box for small size dogs, \$1.00. Per box medium capsules, \$1.00, postpaid.

## Justrite Dog Remedies

Justrite Worm Tablets—	
Pkg. 6 tablets .....	\$0.10
Justrite Bath and Flea Soap .....	.15
Justrite Flea Powder. Junior can ..	.10
(Postage on above, 5c each extra)	

## Q. W. Dog Remedies

These well-known dog medicines are preferred by many kennel owners because they give results:

	Each	Post-paid
Q. W. Breeding Tablets .....	\$1.00	\$1.10
Q. W. Cod Liver Comp. ....	.95	1.10
Q. W. Condition Powder .....	1.00	1.05
Q. W. Constipation Pills .....	.65	.70
Q. W. Cough Mixture .....	.65	.75
Q. W. Diarrhea Remedy .....	1.25	1.30
Q. W. Diserol, for Distemper..	2.00	2.10
Q. W. Dog Soap .....	.35	.40
Q. W. Ear Canker Lotion ....	1.25	1.30
Q. W. Eye Salve .....	1.00	1.05
Q. W. Fit Tablets .....	.95	1.05
Q. W. Flea Oil, Coat Dressing. .	.65	.75
Q. W. Flea Powder .....	.50	.60
Q. W. Healing Salve, Antiseptic .	.65	.75
Q. W. Liniment .....	.75	.85
Q. W. Sulphur Compound ....	1.00	1.05
Q. W. Mange Lotion .....	.75	.85
Q. W. Rheumatism Tablets ..	.65	.70
Q. W. Tapeworm Mixture ....	1.00	1.05
Q. W. Tonic .....	.65	.75
Q. W. Verminol .....	.75	.85
Q. W. Worm Capsules .....	.65	.70
Q. W. Worm Mixture .....	.65	.75
Q. W. Insect Powder, Fleas...	.50	.55

## Glover's Dog Remedies

	Each	Post-paid
Glover's Antiseptic Mouth Wash .....	\$0.60	\$0.70
Glover's Canker Wash (for ears) .....	.60	.70
Glover's Comp. Sulphur Tablets .....	.60	.65
Glover's Condition Pills .....	.60	.65
Glover's Diarrhea Medicine...	.60	.70
Glover's Digestive Pills .....	.60	.65
Glover's Expectorant Mixture ..	.60	.70
Glover's Eye Lotion & Powder ..	.60	.70
Glover's Fever Reducer for Distemper .....	1.00	1.10
Glover's Iron Tonic .....	.60	.70
Glover's Flea and Insect Powder .....	.35	.45
Glover's Kennel and Flea Soap ..	.25	.30
Glover's Laxative Pills .....	.60	.65
Glover's Liniment .....	.60	.70
Glover's Mange Medicine ....	.75	.85
Glover's Medicated Soap .....	.30	.35
Glover's Nerve Sedative, Fits. .	.60	.70
Glover's Round Worm Capsules ..	.60	.65
Glover's Round Worm Vermifuge .....	.60	.65
Glover's Sore Foot Medicine..	.50	.60
Glover's Tape Worm Capsules ..	.60	.65
Glover's Tet. Capsules .....	.50	.60

# Bird Foods and Remedies



## French's Bird Seed and Supplies

Your Canary will thrive on French's bird seed and supplies. Insure your canary's health and song by feeding him French's Bird Seed. There is a free bird biscuit (worth 10c) in every package. Your canary will enjoy this special treat.

	Each	Post-paid
French's Bird Seed and Biscuit .....	\$0.15	\$0.25
French's Bird Gravel .....	.10	.25
French's Bird Biscuits .....	.10	.15
French's Bird Song Restorer .....	.10	.20
French's Bird Charcoal .....	.10	.15
French's Bird Lice Powder .....	.15	.20
French's Bird Nestling Food .....	.25	.30
French's Love Bird Mixture .....	.20	.30
French's Parrot Food .....	.25	.35
French's Bird Tonic .....	.25	.35

## Bird Seed

	Lb.	Post-paid
R.-H. Co.'s Mixed Canary .....	\$0.12	\$0.22
R.-H. Co.'s Mixed Canary, 10 lbs. ....	\$0.85	1.10
R.-H. Co.'s Bird Hemp .....	.12	.22
R.-H. Co.'s Bird Rape .....	.15	.25
R.-H. Co.'s Bird Millet .....	.10	.20
R.-H. Co.'s Plain Canary .....	.15	.25
R.-H. Co.'s Sunflower Seed .....	.12	.22

## Goldfish Food

	Pkg. Each	Post-paid
Natural Fish Food .....	\$0.10	\$0.15
Wafer Fish Food .....	.10	.15
Tropical Fish Food, fine or coarse ..	.10	.15
Turtle Food .....	.10	.15

## Cuttle Fish Bones

Loose, 2 for 5c; lb., 50c. By mail, 2 for 10c; lb., 60c. Aquarium Gravel, Silver—28-oz. carton, 10c; by mail, 25c. Aquarium Dip Nets. Each, 10c; by mail, 20c.

## Justrite Bird Food and Remedies

You can safely depend on these preparations. Every pet wants its food Justrite. Ask for booklet, "Pet Owners' Guide." Free to purchasers.

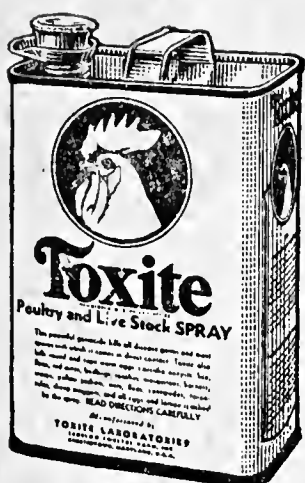
	Each	Post-paid
Justrite Bird Bitters, 1-oz. bottle .....	0.10	\$0.15
Justrite Bird Bitters, 2 ozs. with dropper .....	.25	.35
Justrite Bird Charcoal, box .....	.10	.15
Justrite Bird Gravel, box .....	.10	.25
Justrite Bird Nesting Hair, pkg. ....	.10	.15
Justrite Bird Salve, pkg. ....	.15	.20
Justrite Bird Tonic, bottle .....	.25	.35
Justrite Bird Wash, 2-oz. bottle .....	.15	.25
Justrite Canary Treats, pkg. ....	.05	.10
Justrite Bird Cuttle Bone, each .....	.05	.10
Justrite Bird Feather Pulling Food, pkg. ....	.25	.30
Justrite Imported Bird Seed, 7-oz. carton .....	.10	.20
Justrite Imported Bird Seed, 14-oz. can .....	.25	.35
Justrite Mel-O-Dee Mix Bird Seed, 14-oz. can .....	.25	.35
Justrite Bird Lice Powder, can .....	.10	.15
Justrite Love Bird Seed, carton .....	.15	.25
Justrite Bird Nest Eggs, Artificial, doz. ....	.25	.35
Justrite Bird Nestling and Mating Food, pkg. ....	.10	.20
Justrite Bird Moulting Food, 1½-oz. can .....	.10	.15
Justrite Bird Moulting Food, 3½-oz. can .....	.20	.30
Justrite Parrot Food, 14-oz. carton .....	.25	.35
Justrite Bird Song Restorer, 1½-oz. can .....	.10	.15
Justrite Bird Song Restorer, 3½-oz. can .....	.20	.30
Justrite Bird Treat Cups .....	.05	.10
Justrite Bird Vita Egg Biscuit, 1-oz. pkg. ....	.15	.20

## Eight-In-One Health Song and Vigor Restorer

A quick relief for colds and loss of song and moulting out of season in canaries. Keeps them in song. 3-oz. bottle, 25c; by mail, 35c.



# Poultry Remedies



Postpaid, 30c and 60c.

**ANIMAL POULTRY YEAST FOAM.** Makes Chicks grow fast, prevents diseases. 4-lb. box, \$1.00; Postpaid, \$1.15.

**AVICOL.** Prevents and cures White Diarrhea in chicks and grown fowls. 50c and \$1.00 boxes, postpaid.

**BEE DEE POULTRY POWDER.** A medicine for poultry and stock. 25c and 50c boxes.

**BLACK LEAF 40.** Kills poultry lice by painting it on the roosting poles. 1-oz. bottle, 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60. Postpaid: 1 oz., 40c; 5 ozs., \$1.10; 1 lb., \$2.40; 2 lbs., \$3.45; 5 lbs., \$6.10; 10 lbs., \$10.95.

**BLACK LEAF 40 WORM PELLETS.** The single or individual treatment for round worms in poultry; safe and effective. Doz. 20c; 100, 85c; 1,000, \$6.50, postpaid.

**BLACK LEAF 40 WORM POWDER.** A flock treatment for all worms in poultry. 100-dose size, 75c; 600-dose size, \$2.90, postpaid.

**CHOLERINE.** Tonic and Conditioner. Cures Cholera and bowel trouble in chicks and hens. 8-oz. bottle, 35c; postpaid, 45c. 16-oz. bottle, 65c; postpaid, 80c. 1-qt. bottle, \$1.00; 1-gal. bottle, \$2.50.

**CREWOOD OIL.** Kills mites and lice in the poultry house, termites and flying ants in houses. Qt., 40c; gal., 90c; 2½ gals., \$1.50; 5 gals., \$2.50; 10 gals., \$4.50; 50-gal. drum, \$16.00. Can't mail.

**DON SUNG.** A tonic that makes hens lay. Box, 45 tablets, 50c; box, 135 tablets, \$1.00, postpaid.

**FLEISCHMANN'S YEAST.** A tonic and conditioner. Keeps poultry in perfect health. 3½ ozs., 25c; ½-lb. can, 50c; 1 lb., 85c; 5 lbs., \$3.50. By mail, 35c, 60c, 95c, and \$3.70.

**GERMO CARBOLINE.** For disinfecting poultry houses. 8-oz. bottle, 30c; postpaid, 40c.

**GERMO FORM.** Cures and prevents colds in chickens. 8-oz. bottle, 50c; postpaid, 60c.

**GERMO POULTRY HOUSE PAINT.** Kills lice and mites. ½-gallon can, 90c; postpaid, 1.15.

**GROUP OVER.** The over-night roup remedy. Gives quick results. 50c and \$1.00 bottles. Postpaid, 60c and \$1.10.

**KORUM.** Cures and prevents bowel trouble in chicks and turkeys. Used in the drinking water. 8-oz. bottle, 65c; postpaid, 80c.

**LEE'S GERMOZONE.** For putting in drinking water of poultry as a preventative of transmittal diseases through drinking water. For simple diarrhoea and bowel trouble. Also good for anti-septic application for ocular roup, etc. 4-oz. bottle, 40c; 12-oz. bottle, 75c; 32-oz. bottle, \$1.50. Postpaid, 50c, 90c, and \$1.70.

**NOPCO COD LIVER OIL.** Increases egg production, prevents diseases, makes chicks grow fast. If you want success with brooder chicks, give them Nopco XX grade Cod Liver Oil in their feed. 2-lb. cans, \$1.20; 5-lb. can, \$2.40. Postpaid, \$1.40 and \$2.60.

## Dr. Salisbury's Remedies

**AVI-TABS.** A flock worm treatment. 50c and 90c pkgs; postpaid, 60c and \$1.00.

**AVI-TONE.** A tonic; also prevents worms in chicks and poultry. 10-oz. pkg., 25c; 3-lb. pkg., \$1.10; 6-lb. pkg., \$2.00. Postpaid, 35c, \$1.25, and \$2.20.

**CAMPHOSAL.** For roup and colds in poultry. 2-oz. can, 45c; 4 ozs., 75c; 8 ozs., \$1.10. Postpaid, 55c, 85c, and \$1.20.

**PHENOSAL.** Cures bowel trouble and diarrhoea in chickens and turkeys. 25 tablets, 25c; 50 tablets, 50c; 125 tablets, \$1.00. Postpaid, 30c, 60c, and \$1.10.

**RAKOS.** Cures Coccidiosis in chicks. ½-pt. size, 75c; postpaid, 85c.

**STOP PICK** prevents toe and vent picking. 6-oz. jar, 50c; postpaid, 60c.

**FOWL POX VACCINE** prevents and cures sorehead or chicken pox in poultry and turkeys. 100-dose size, 75c; 500-dose size, \$3.25. Postpaid, 85c and \$3.35.

## Pratt's Remedies

**PRATT'S CHICK TABLETS.** For White Diarrhoea. 30c and 60c size, postpaid.

**PRATT'S DISINFECTANT.** For poultry houses, barns, etc. Pint, 35c; postpaid, 50c. Qt., 50c; postpaid, 70c. 2 qts., 85c; postpaid, \$1.10. Gallon, \$1.45; postpaid, \$1.80.

**PRATT'S INHALANT.** A flock treatment for colds in poultry. Pint, 60c; qt., \$1.00. Postpaid, 75c. and \$1.20.

**PRATT'S HEALING OINTMENT.** For sores and cuts. Tube, 25c, postpaid.



**PRATT'S R. P. TABLETS.** Roup tablets that prevent and cure colds and Roup. 25c and 50c pkg., postpaid.

**PRATT'S POULTRY REGULATOR.** Increases egg production, a most satisfactory preparation. 1½-lb. pkg., 25c; 4-lb. pkg., 55c; 12½-lb. pkg., \$1.60; 25-lb. pall, \$2.85. Postpaid, 40c, 75c, \$1.85, and \$3.25.

**PRATT'S WORM POWDER.** A flock treatment for round and pin worms in poultry. 100-hen size, 75c; 500-hen size, \$2.50. Postpaid, 85c and \$2.65.

**PRATT'S N. K. CAPSULES.** This new Split Action worm capsule, containing both Kamala and Nictone, is safe, sure and effective. Adult size. Doz., 25c; 50, 60c; 100, \$1.00; 1,000, \$8.50, postpaid.

Chick and Pullet size: Doz., 20c; 50, 50c; 100, 90c; 1,000, \$6.50, postpaid.

**PRATT'S LICE POWDER.** Kills poultry lice effectively and quickly. 30c per box; postpaid, 40c.

**POULTRY LITTER.** A perfect deodorizer. It absorbs odors, keeps poultry houses sanitary. 2-bu. carton, 75c; ½ bale, \$2.00; bale, about 20 bu., \$3.00. Cannot be mailed.



**RAY-ZEM.** A real preparation for turkeys. Prevents and cures Black Head, Roup, etc. 4-oz. can, 50c; 8-oz. can, \$1.00; 16-oz. can, \$1.50; 32-oz. can, \$2.00; ½ gal., \$3.75. By mail, 60c, \$1.10, \$1.65, \$2.20, and \$4.00.

**RED STAR INSECTICIDE.** Sure death to gnats, mosquitoes, ants, roaches—won't stain. Qt., 60c; ½ gal., \$1.00; gal., \$1.75. Postpaid, 75c, \$1.20, and 2.10.

## TALCIMIZED SODIUM FLUORIDE

**SODIUM FLUORIDE.** Sure death to lice on poultry, water bugs, ants, and roaches. 35c and 60c cans. Postpaid, 40c and 70c.

**THOUSAND DOLLAR REMEDIES.** \$1,000.00 Ant Bane, 35c-65c. \$1,000.00 Bed Bug Killer, 35c-65c. \$1,000.00 Roach Killer, 35c-65c; \$1.25 can. \$1,000.00 Flea Killer, 25c can. \$1,000.00 Moth Killer, 75c can. Postpaid, 10c each extra.

**TOBACCO POWDER, GOLD LEAF.** Use 2 lbs. to 100 lbs. of poultry mash to prevent worms in chickens. 2-lb. pkg., 25c; postpaid, 40c. 10-lb. pkg., 85c; postpaid, \$1.10.

**TOXITE.** One of the best remedies and preventatives for Coccidiosis in poultry. Spray Toxite to assist in keeping down diseases such as Bronchitis, Roup, Chicken Pox, Pneumonia and Colds. Toxite will kill fleas, ants, roaches, ticks, mites, bed bugs. Kills round and tape worm eggs; in fact, it is a powerful germicide for all live stock and poultry. Qt., 50c; gal., \$1.50. Postpaid, qt., 70c; gal., \$1.90. 5-gal. can, \$6.50, at store.

**TOXITE OINTMENT.** Controls cannibalism tail and pickouts in chicks and pullets. It is also good for sores and cuts of animals. 8-oz. glass jar, 50c; postpaid, 60c.

**WALKO DIARRHOEA REMEDY.** Cures and prevents White Diarrhoea in baby chicks. 50c and \$1.00 sizes, postpaid.

**WORM-R.** You cannot raise poultry successfully unless they are properly wormed. Russell's Worm-R is a Nicotine Kamala combination for expelling large round worms in chicks, hens and turkeys. Russell's Worm Powder is thorough and dependable. We recommend it in every way. 3½-oz. pkg., enough for 80 hens or 250 chicks, 65c; postpaid, 75c. 7-oz. pkg., \$1.00; postpaid, \$1.10.

**WORM R. TABLETS.** Individual treatment to expel large round worms and desegment large Tape worms in poultry and turkeys. Bottle 200 tablets, chick size, \$1.00; by mail \$1.10. Bottle 100 tablets, hen size, \$1.00; by mail, \$1.10.

**ZENOLEUM.** A wonderful disinfectant and germicide. 8-oz. can, 35c; postpaid, 45c. Pint can 50c; postpaid, 65c. Qt. can, 75c; postpaid, 90c. ½ gal. can, \$1.25; postpaid, \$1.45. 1-gal. can, \$2.00; postpaid, \$2.25. 5-gal. can, \$7.00.





# Miscellaneous Remedies

## Stock Remedies

**BAG BALM.** Cures udder trouble and caked bags in cows. Box, 60c; postpaid, 70c.

**BEE-DEE.** This is a real medicine for all stock. It will keep your animals in good condition and prevent diseases. 25c and 50c pkgs; postpaid, 30c and 60c.

**BLACKMAN'S MEDICATED SALT BRICK.** Fine for all stock; medicated salt. Brick, 25c; 5 bricks, \$1.00. Postpaid, brick, 40c; 5 bricks, \$1.25.

**DR. HESS HOG SPECIAL.** See page 76 for sizes and prices.

**DR. HESS STOCK TONIC.** See page 76 for sizes and prices.

**DR. HESS SAPONIFIED CRESOL SOLUTION.** For general disinfectant of yards, barns and other premises in the eradication of tuberculosis. Approved by Bureau of Animal Industry. 1-gal. can, \$1.75. Not available.

**GARGET COMPOUND.** For internal use to use in conjunction with Bag Balm in treating Garget, caked bag and similar udder conditions sometimes following calving. 1¼-lb. can, 65c; postpaid, 75c.

**KOW KARE.** A medicine and tonic for cows and cows only; aids digestion, increases the milk, keeps cows healthy. 65c and \$1.25 cans, postpaid, 75c and \$1.40.

**PRATT'S ANIMAL REGULATOR.** A conditioner and tonic for live stock. Small pkg., 25c; med. pkg., 50c; 25-lb. pail, \$2.85. Postpaid, 35c, 65c and \$3.25.

**SALVET.** A worm destroyer, digester, and conditioner for sheep, hogs and other animals. 3-lb. pkg., \$1.00; 7½-lb. pkg., \$2.00; 15-lb. pg., \$3.40. Postpaid, \$1.15, \$2.20, \$3.75.

**DR. HESS UDDER OINTMENT.** For cows it is a wonderful preparation. 7-oz. can, 50c; postpaid, 60c.

## Fly Spray

Useful both for stock and household use for killing flies, mosquitoes, etc.

**FLIT HOUSEHOLD SPRAY.** Kills mosquitoes, flies, ants, roaches and will not stain. For use indoors. ½ pt., 30c; pt., 50c; qt., 85c; gal., \$2.50. Postpaid, 40c; 65c, \$1.00, \$2.80.

**GERMO FLY SHOO.** For live stock, cows, mules and horses only. Guaranteed satisfactory. 1-qt. can, 50c; ½-gal. can, 80c; 1-gal. can, \$1.35.

**GERMO FLY NO MORE.** For household use. Will not stain. 8 ozs., 35c; gal., \$2.50.

**COOPER'S MAGIC DISINFECTANT.** A germicide disinfectant and deodorizer for many uses with a coefficient superior to the ordinary Cresoto preparations. Use 4 tablespoonfuls to a gallon of water for dipping hogs. ½ pt., 25c; pt., 35c; qt., 60c; gal., \$1.50. Not available.



**HUDSON VAPOR SPRAYER.** No. 222. Popular priced ¾-pint hand sprayer, tank lock sealed, thoroughly leak-proof. 25c; postpaid, 35c.

## Rat and Mouse Destroyers

**COWLEY'S RAT AND MOUSE EXTERMINATOR.** This preparation is a scientific chemical compound, and is made in a way that attracts the rats and mice to drink it. This is the secret: They will drink it, and as it only requires a very small amount to kill, there is no telling how many can be killed in one night. Price, 50c; mailed, 60c.

**CYNOGAS.** Kills rats and moles by blowing the powder in their holes and runways in the ground. ½-lb. can, 45c; 1-lb. can, 75c; 5-lb. can, \$3.00. Not available.

**MOUSE SEED.** No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box, 25c; mailed, 35c.

**RAT TABS.** Needs no mixing. Simply roll out a tab. Bottle, 35c, postpaid.

**RED CROSS RAT AND MOUSE EM-BALMER.** A sure rat and mouse destroyer that does the work thoroughly without any odor. 25c, 50c, and \$1.00 per can. Mailed, 35c, 60c, and \$1.10.

**SANASEED.** A seed that kills mice without fail. Money back if it fails. Pkg., 15c; mailed, 20c.

**ZELIO RAT POISON.** A powerful rat and mice destroyer. It acts slowly and the animal leaves the premises instead of dying in the hole. 2-oz. tube, 50c; by mail, 60c.

**ROUGH AND READY.** A non-poisonous chocolate bait that will kill rats quickly. Prepared ready for instant use. No mixing needed. Rats like it, then they die. Pkt., 12 baits, 25c; postpaid, 35c.

## Meat Smoke

**SMOKE SALT, MORTON'S.** Salts and smokes meat at one operation and gives the meat a perfect flavor. 2½-lb. can, 25c; 10-lb. can, 90c. Postpaid, 35c and \$1.15.



**MORTON'S SAUSAGE SEASONING.** 3-oz. size, 10c; 10-oz. size, 25c. Postpaid, 15c and 35c.

**DEAM'S MEAT SMOKE.** After salting, use meat smoke on your meat. It is most satisfactory and dependable. Pt., 40c; postpaid, 60c.

**OLD SMOKEHOUSE.** The original Kentucky formula of meat smoke which has been found satisfactory in every way. After salting in the usual way, apply Old Smokehouse liquid and your meat will be cured equal to the old smoking methods. Pt., 40c; qt., 75c. Postpaid, 60c and 95c.

**TENDER QUICK.** When applied to meat, it will give it that tender quality that you want. 2½-lb. size, 50c; postpaid, 65c.

**TENDER QUICK MEAT PUMPS.** For use when applying Tender Quick. Each, \$1.50; postpaid, \$1.60.

## FUL-O-PEP

### America's Leading Poultry and Chick Feed

Ful-O-Pep Feeds are manufactured from the finest grains money can buy; quality counts, get free folder giving full facts, why it will pay you to use them.

**FUL-O-PEP CHICK STARTER.** Contains oatmeal grain products, cod liver oil, yeast and minerals.

**FUL-O-PEP COARSE CHICK.** For growing fowls. Made only from fresh grains.

**FUL-O-PEP FINE CHICK GRAIN.** The finest grains are used in this feed.

**FUL-O-PEP EGG MASH.** Will make your hens lay regularly.

**FUL-O-PEP GROWING MASH.** Should be used when chicks are eight weeks old.

**FUL-O-PEP HEN SCRATCH GRAINS.** Should be fed in combination with Ful-O-Pep Egg Mash.

Prices on all Ful-O-Pep Poultry Feeds given in our Green Ink List.

**BONE MEAL.** Fine or coarse for poultry and chicks.

**CHARCOAL.** For chicks or hens.

**DIGESTER TANKAGE.** Valuable addition to hog's diet.

**DRIED BUTTERMILK.** Should be used in all chick meal.

**MEAT SCRAPS.** Excellent for feeding to poultry.

**OYSTER SHELL.** Made in two sizes for chicks or hens.

**PIGEON FEED.** With or without corn.

**POULTRY GRIT.** For chicks or hens.

**RABBIT MASH.** Keeps them healthy.

**RED CROSS GRIT.** Especially for pigeons.

**ROLLED OATMEAL.** For baby chicks.

**SCHUMAKER CALF MEAL.** A perfect milk substitute.

**SUNFLOWER SEED.** For feeding. Prices quoted on Green Ink List.

## Hydrated Lime

Everyone knows its value; the best deodorizer. Be careful and don't let the lime get into the eyes or on your hands. 10-lb. bag, 30c; postpaid, 55c. 40-lb. bag, 40c, at store.

## Free with Orders

1938 CALENDAR AND ALMANAC  
When requested, we will mail you a copy of our 1938 Almanac Calendar.  
Don't fail to ask for a copy when sending your order.

## QUALITY BABY CHICKS

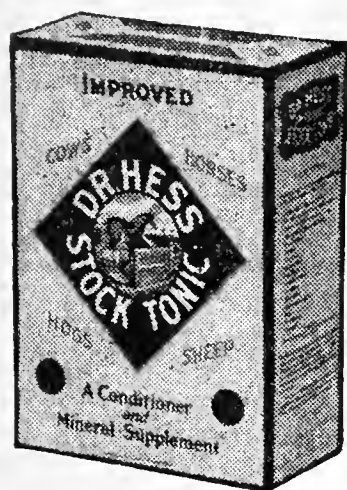
### Top Notch Baby Chicks

Are guaranteed 100 per cent live delivery. Avoid disappointment. Place your orders early for day-old chicks. We will book for shipment when you want them.



# The Dr. Hess Products

## Dr. Hess Stock Tonic

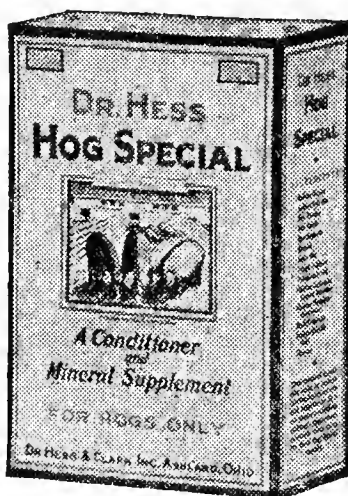


A conditioner and mineral supplement for cows, horses, sheep and hogs. Increases appetite, aids digestion and assimilation. Promotes proper elimination. Tests show cows receiving tonic consume 7% to 10% more feed and give 18% to 20% more milk. Feeder cattle show average increased daily gain one-third pound per head. Valuable aid to calving.

Conditions horses and mules for work.  
100-lb. drum .....\$9.40;  
25-lb. pkg. .... 2.85; ppd., \$3.30  
15-lb. pkg. .... 1.90; ppd., 2.20  
7-lb. pkg. .... .95; ppd., 1.15  
3-lb. pkg. .... .45; ppd., .60  
1 1/2-lb. pkg. .... .25; ppd., .40

## Dr. Hess Hog Special

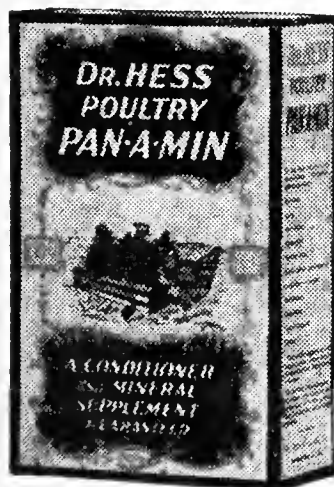
Conditioner and mineral supplement especially designed for swine. Tests show hogs reach market weight 15% less time on 25% less feed. Especially indicated for runty, unthrifty pigs.



Not Postpaid:  
100-lb. drum \$9.40  
25-lb. pkg. 2.85  
15-lb. pkg. 1.90  
7-lb. pkg. .95  
3-lb. pkg. .45  
1 1/2-lb. pkg. .25  
Postpaid:  
25-lb. pkg. \$3.50  
15-lb. pkg. 2.20  
7-lb. pkg. 1.15  
3-lb. pkg. .60  
1 1/2-lb. pkg. .40

## Dr. Hess Poultry Pan-a-Min

A conditioner and mineral supplement for poultry. Tests show that birds receiving Pan-a-Min regularly lay an average of 19 more eggs per year; baby chicks grow faster, mature earlier. Helps shorten moulting period. Costs but 10c per hen per year.



Not Postpaid:  
100-lb. drum \$9.40 (600-bird size)  
25-lb. pkg. \$2.85 (150-bird size)  
15-lb. pkg. \$1.90 (90-bird size)  
7-lb. pkg. \$0.95 (40-bird size)  
3-lb. pkg. \$0.45 (20-bird size)  
1 1/2-lb. pkg. \$0.25 (10-bird size)

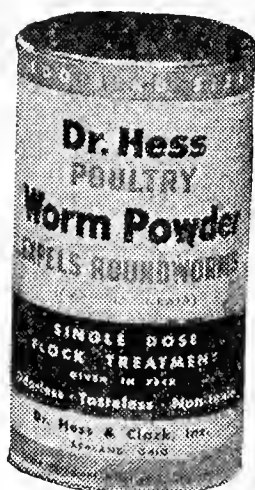
Postpaid:  
25-lb. pkg. ....\$3.50  
15-lb. pkg. .... 2.20  
7-lb. pkg. .... 1.15  
3-lb. pkg. .... .60  
1 1/2-lb. pkg. .... .40

## Dr. Hess Poultry Worm Tablets

Available for those who prefer individual treatment. Same material as powder.

Not Postpaid: 1000 tablets..\$6.50  
500 tablets.. 3.50  
250 tablets.. 2.00  
100 tablets.. 1.00  
40 tablets.. .50  
Postpaid: 1000 tablets..\$6.70  
500 tablets.. 3.65  
250 tablets.. 2.10  
100 tablets.. 1.10  
40 tablets.. .60

## Dr. Hess Poultry Worm Powder

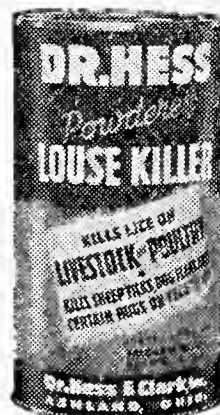


A single dose flock treatment given in feed. Active principle, nicotine combined with other materials which make it insoluble until it reaches intestines where it is released full strength. Odorless, tasteless, non-toxic. Does not interfere with egg production or feed consumption.

Not Postpaid:  
2 1/2-lb. pkg. ....\$5.40 (1000-bird size)  
1 1/4-lb. pkg. .... 3.00 (500-bird size)  
10-oz. pkg. .... 1.90 (250-bird size)  
4-oz. pkg. .... .90 (100-bird size)  
2-oz. pkg. .... .50 (50-bird size)  
Postpaid:  
2 1/2-lb. pkg. ....\$5.55  
1 1/4-lb. pkg. .... 3.15  
10-oz. pkg. .... 2.00  
4-oz. pkg. .... 1.00  
2-oz. pkg. .... .50

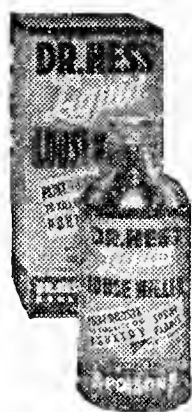
## Dr. Hess Powdered Louse Killer

Kills lice on stock, poultry; bugs on cucumber, squash and melon vines; slugs on rose bushes. Kills winter ticks on sheep. If used in dust bath, poultry will delouse themselves. Efficient, convenient, economical. Put up in handy sifter top cans.



Not Postpaid:  
6-lb. pkg. ....\$1.25  
2 1/2-lb. pkg. .... .65  
1-lb. pkg. .... .30  
Postpaid:  
6-lb. pkg. ....\$1.40  
2 1/2-lb. pkg. .... .80  
1-lb. pkg. .... .40

## Dr. Hess Liquid Louse Killer



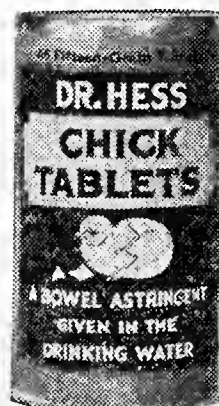
Spread on perches, its fumes kill lice while birds roost. Bottles have handy rubber spreader. Economical, concentrated. Kills plant lice.

16 ozs. ....\$2.25 (1440-bird size)  
8 ozs. .... 1.45 (720-bird size)  
4 ozs. .... .85 (360-bird size)  
1 oz. .... .35 (90-bird size)

Liquid Louse Killer not mailable.

## Dr. Hess Chick Tablets

Effective for diarrhoeal discharges of both baby chicks and grown birds; a bowel astringent given in drinking water. Once the tablets are in solution they remain so indefinitely. The water is thoroughly medicated and is all good until used.



Not Postpaid:  
225 tablets ....\$1.00  
100 tablets .... .50  
45 tablets .... .25  
Postpaid:  
225 tablets ....\$1.10  
100 tablets .... .60  
45 tablets .... .30

## Dr. Hess Poultry Tablets

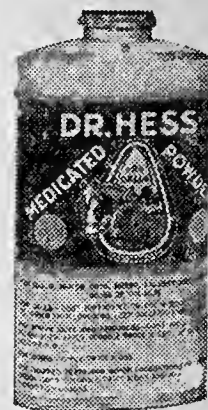


Valuable in treatment of roup; slightly astringent, non-irritating and healing. Used as a local antiseptic and to medicate drinking water. Aids in preventing spread of disease. Once dissolved the solution needs no further stirring.

Prices: 25c, 50c, and \$1.00 packages. Postpaid, 30c, 55c, and \$1.10.

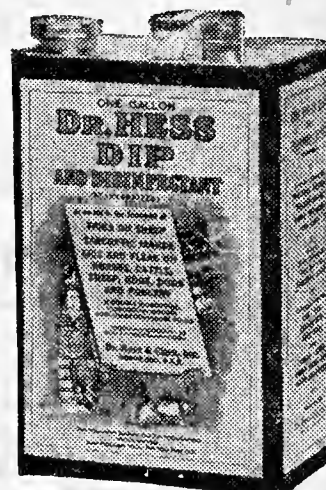
## Dr. Hess Medicated Powder

A soothing white powder for treating cuts, scratches, galls and all surface wounds. Forms a thin protective coating and wound starts healing. Use in the home for scalds, burns, galls and chafed skin.



Not Postpaid:  
10-oz. pkg. ....\$0.50  
4-oz. pkg. .... .25  
Postpaid:  
10-oz. pkg. ....\$0.60  
4-oz. pkg. .... .30

## Dr. Hess Dip and Disinfectant



Standardized quality disinfectant for use in stables, barns, poultry houses, and for killing ticks, lice, mites, and other parasites on livestock. Has 5 carbolic acid coefficient. Makes milky white emulsion. Costs less to use than cheaper inferior products.

5-gal. can ..\$6.50  
1-gal. can . 1.40  
1/2-gal. can . .80  
1/4-gal. can . .55  
Dip and Disinfectant not mailable.

## Dr. Hess Fly Spray

For use on livestock and in stables. Over 90% efficient as a fly killer. Most efficient fly repellent. One application protects cows from fly torment all day long. Has pleasant piney odor. Will not gum or discolor the hair. Will not taint milk.

5-gal. can ..\$5.00  
1-gal. can . 1.40  
1/2-gal. can . .80  
Fly Spray not mailable.



## Dr. Hess Udder Ointment



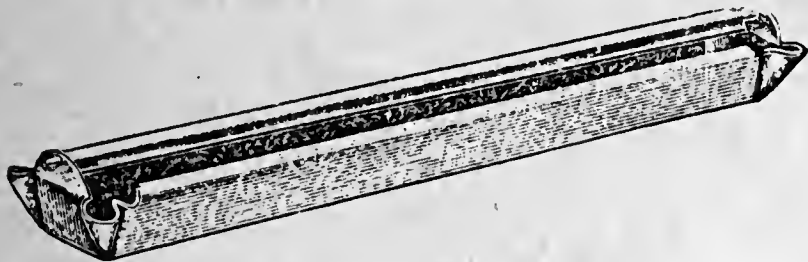
A penetrating, soothing, emollient for bruised, caked or swollen udders, cracked or chapped teats and other bruises or superficial injuries.

1-lb. can ...\$1.00  
7-oz. can ... .50  
Postpaid, 7 oz., 60c; 1 lb., \$1.10.



# R.-H. Co.'s Chick, Broiler and Hen Feeders

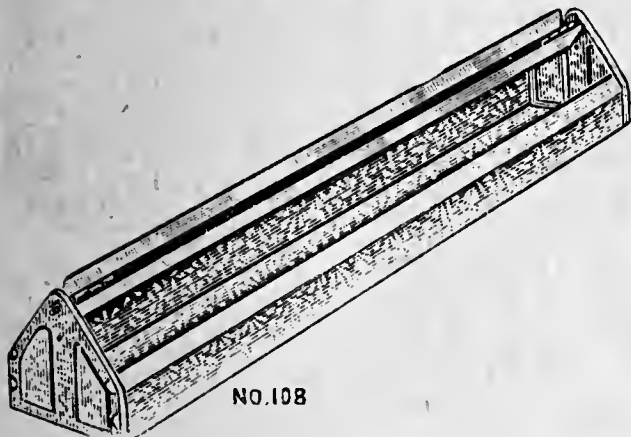
## R.-H. Co.'s Winner Chick Trough



Metal Z-shaped revolving reel. Trough one piece, die stamped 1 5/8 in. deep; 2 5/8 in. bottom width; 4 in. top width. Turned flange along edge prevents feed waste.

No. 104—Feeder, 10 in. long, each 10c; by mail 20c.  
No. 105A—Feeder, 18 in. long, each 20c; by mail 30c.  
No. 106A—Feeder, 24 in. long, each 25c; by mail 35c.

## R.-H. Co.'s Utility Chick Trough

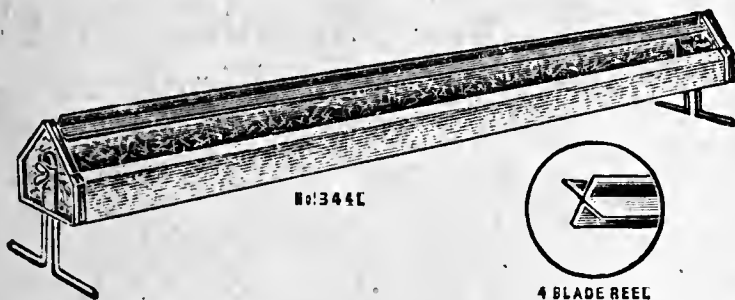


For chicks, day-old to 5 or 6 weeks. Adjustable metal "Z" reel. Trough 1 1/4 in. deep; 3 1/2 in. wide; flange along edge prevents waste. Square bottom. A real value. Heavy gauge galvanized.

NO. 108

No. 107—Feeder, 12 in., each 15c; mailed 25c.  
No. 108—Feeder, 24 in., each 25c; mailed 40c.  
No. 109—Feeder, 36 in., each 35c; mailed 50c.

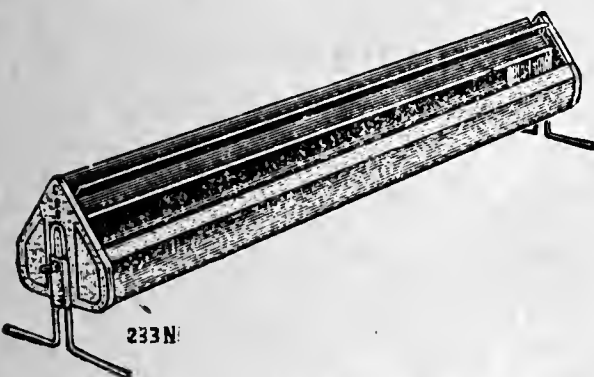
## R.-H. Co.'s Perfection Chick Trough



For chicks day old to 8 weeks. Extra heavy galvanized steel trough; welded ends; 4-blade metal reel revolves, adjustable 3 positions. Trough 4 in. wide; 2 in. deep. Turned flange along trough edge. Adjustable legs.

No. 342L—Chick Feeder—24 in., each 50c; by mail 65c.  
No. 343L—Chick Feeder—36 in., each 65c; by mail 80c.  
No. 344L—Chick Feeder—48 in., each 80c; by mail \$1.00.

## R.-H. Co.'s New Gro-Fast Feeder

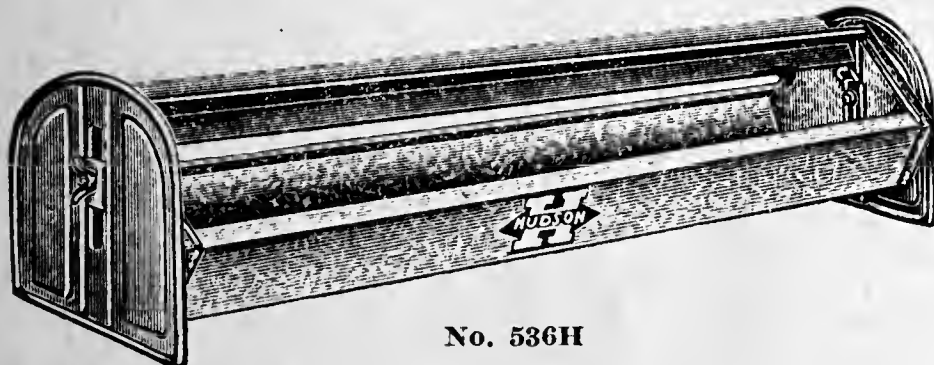


New STREAMLINE design. Round edge prevents feed clogging. ALL-PURPOSE trough. For day old chicks or pullets. Large revolving 4-blade reel adjustable to 3 positions. Legs adjusts height of trough as chicks grow.

Trough of 26-ga. galvanized steel; depth 2 5/8 in., width 5 in. Feed capacity: 3 ft., 7 qts., 4 ft., 9 qts. mash.

No. 233N—Gro-Fast Feeder, 3 ft. long, each 85c; by mail \$1.10.  
No. 234N—Gro-Fast Feeder, 4 ft. long, each \$1.00; by mail \$1.30.

## R.-H. Co.'s Growing Chick Feeder

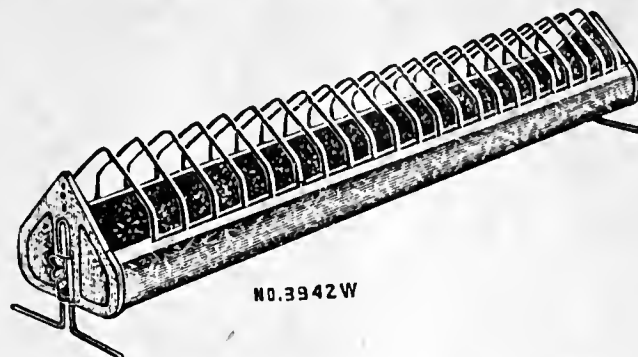


No. 536H

No. 536H. Has adjustable metal support and four-blade enamel reel, square bottom, feed trough 2 1/2 inches deep, 5 inches wide, 36 inches long. Each, 65c; by mail, 90c.

No. 336H. Round bottom trough with stationary metal support and adjustable reel, 4 inches wide, 2 inches deep, 36 inches long. Each, 40c; by mail, 55c.

## R.-H. Co.'s O.K. Broiler Feeder



NO. 3942W

Roost Proof Grill, Adjustable Legs

STREAMLINE trough of 26-ga. galvanized steel, 3 in. deep, 6 3/4 in. wide; welded ends, turned flange prevents waste. ADJUSTABLE LEGS to raise trough out of litter as chicks grow. Hinged wire grill, spacing 1 in. For chicks 3 weeks and older. Fine for starting turkey poults. Capacity 12 qts.

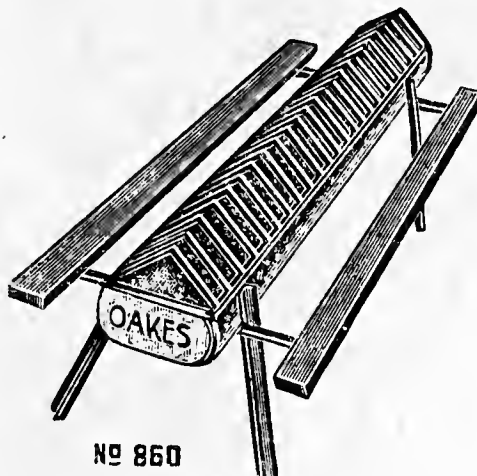
No. 3942W—Broiler Trough, 42 in. long, each \$1.35, mailed \$1.65.

## R.-H. Co.'s Dandy Broiler Feeder

Similar to No. 3942W feeder, described above, excepting it has solid metal support in place of the legs, large capacity, 6 1/2 inches wide at top, 3 inches deep with full 1-inch feed-saving lip, wire grills are 1 3/8 inches apart, which are hinged, making filling or cleaning a very convenient task.

No. 730H—30 inches long, each .....\$0.85; by mail, \$1.15  
No. 748H—48 inches long, each ..... 1.20; by mail, 1.50

## R.-H. Co.'s Streamline Hen Feeder



NO 860

Newly designed trough with rounded bottom edge. No corners for feed to lodge and become stale. Eliminates enough feed waste to pay for itself in a few months. Almost as low cost as a home made wooden feeder trough and much more sanitary.

Trough 4 1/2 in. deep, 9 3/4 in. wide, with feed opening 7 in. Heavy gauge galvanized steel. Hinged wire grill, spacing 2 3/8 in. Wood perch 16 in. high. Sturdy legs of angle steel support body. Turned flange prevents feed waste. We recommend 2—5 ft. or 1—8 ft. for 100 hens. Cannot be mailed.

No. 860—Flock Feeder, 5 ft. long, wt. 26 lbs., each \$3.80.

No. 896—Flock Feeder, 8 ft. long, wt. 36 lbs., each \$5.45.  
Above not mailable.

## R.-H. Co.'s Streamline Feeder for Growing Chicks, Pullets or Hens

Same dimensions as above. Angle steel legs 9 in. long bolt to side—raise trough out of litter. Edge of trough adjustable from 7 1/2 to 9 1/2 inches from floor. Hinged wire grill lifts for easy filling or cleaning of trough.

Hens EAT MORE FEED from this low trough and therefore lay more eggs. This trough is cheaper than any home made feeder. Makes an ideal starting trough for turkey poults. A good range feeder. A Super Value. High quality, heavy gauge galvanized steel trough.



NO 860T

No. 860T—Floor Feeder, 5 ft., capacity 4 1/2 pks., each \$2.80.

No. 896T—Floor Feeder, 8 ft., capacity 7 pks., each \$3.90.  
Above not mailable.

## Pans and Guards for Feed or Water



Two sizes for growing fowls or hens. Ideal for pigeons. Pans have soldered bottoms; water tight. 4 in. deep.

Wire guards welded to cone top. Prevents birds crowding when feeding or drinking.

### PANS ONLY

No. 6140—14 in Pan only; each 65c; by mail 80c.  
No. 6170—17 in. Pan only; each 80c; by mail \$1.00.

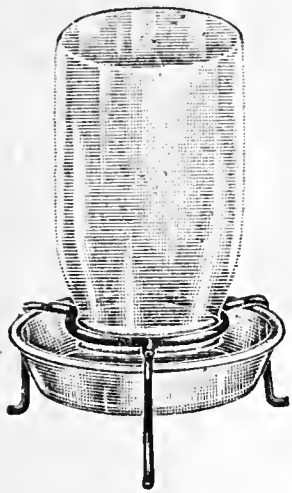
### WIRE GUARDS ONLY

No. 614—14 1/2 in. Guard, each 50c; by mail 70c.  
No. 617—17 in. Guard, each 55c; by mail 80c.



# R.-H. Co.'s Chick and Poultry Fountains

## Glass Pan Fountain



The drinking dish or saucer is made of heavy molded glass and the mason jar is held in position with a metal clip, which snaps on the dish and is easily removed for filling or cleaning. A clean, safe fountain for buttermilk, sour milk, remedies, etc. Diameter of dish, 6 in.

No. 1365G with Legs. Each, 15c; 2 for 25c. By mail, each, 25c; 2 for 40c.

No. 365G — Glass Fountain without extension legs.

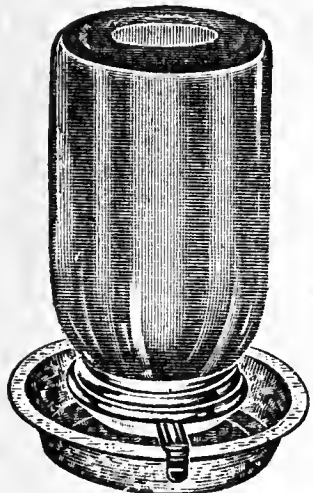
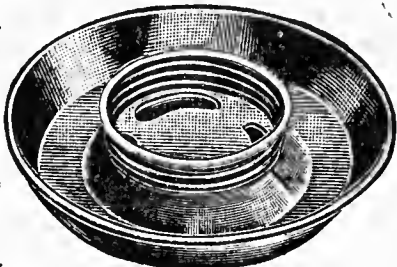
Each, 10c. By mail, each, 20c.

No. 167G—Same as above, excepting it is made of heavy galvanized metal instead of glass. Price with leg extension, each, 15c; 2 for 25c. By mail, each, 25c; 2 for 40c. Glass Mason Jars not furnished.

## Mason Jar Fountain

Constructed so that plenty of water is always in the pan. Pan will not overflow. Fits standard mason jar. We do not furnish the jars.

No. 69G — Fountain Holder. Galvanized, Screw Type. Each, 10c; 3 for 25c. By mail, each, 20c; 3 for 40c.



## No. 67G

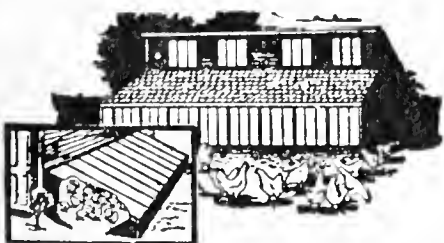
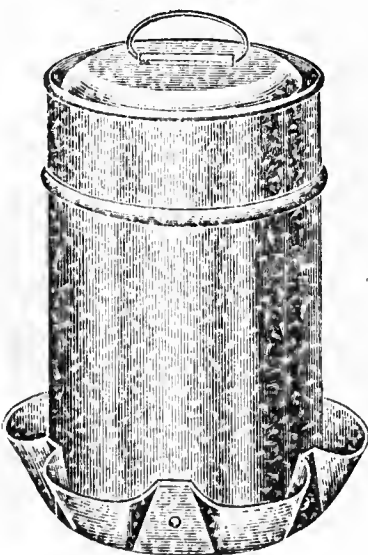
Galvanized. Clip-type. Each, 10c; 3 for 25c. By mail, each, 20c; 2 for 35c.

## Snap-On Chick Fountain

Inexpensive single wall fountain invert to fill. Can body snaps in place and held by friction. Bail for carrying. Has 6 drinking cups; 12 chicks can drink at once. Easy to fill and keep clean. Heavy galvanized steel.

No. 100B—1 gallon size, each 55c; by mail 70c.

No. 100C—2 gallon size, each 75c; by mail 95c.



## Glass Cloth

Glass Cloth is excellent for Brooder Houses, Hotbeds, Cold Frames, Windows, etc., and is a substitute for glass, except for roofing. Glass Cloth comes 3 feet wide. Piece, 5 yds. long, \$1.20; mailed, \$1.40. Piece, 10 yds. long, 2.30; mailed, 2.60. Piece, 15 yds. long, 3.30; mailed, 3.65. Piece, 50 yds. long, 10.00; mailed, 10.50.

## Round Pan Snap-On Chick Fountain

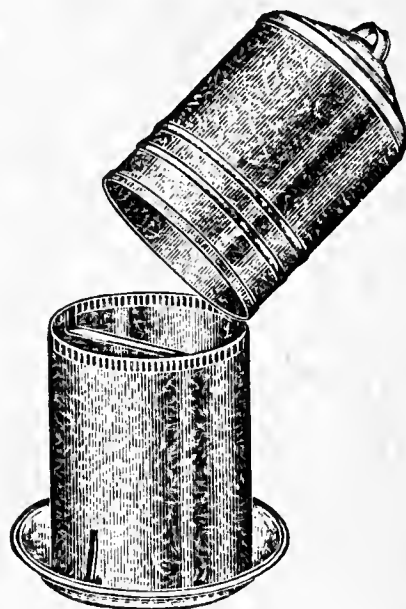


This is a real improvement in Chick Fountains. It has three lugs spot welded to the pan, form a friction contact which holds the tank and pan together. It is easy to fill and has a convenient wire bail for carrying.

No. 81—1 gallon size, each, 65c; mailed, 85c.

No. 82—2 gallon size, each, 85c; mailed, \$1.00.

## The Dandy Double Wall Fountain



This new double wall fountain is top filled. It operates on the vacuum system. Easy to clean or fill. Die drawn sloping top, prevents roosting. The drinking pan is seamless die drawn with smooth rolled edges. It is made of very heavy 26 gauge galvanized steel, sturdy and substantial. Can be used for hens or chicks.

Price No. 192—2 gallon size.....\$1.25  
Price No. 93—3 gallon size.....1.50

By mail add 25c each.

## E. Z. Fill Fountain

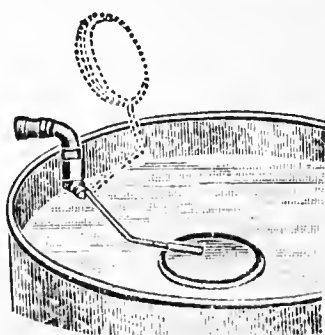
Double wall type. ROOST-PROOF die stamped cone top. Brass spring valve is released when outer can slips into place. Handle in inner tank for carrying. Outer can has bail; may be used as a pail. All purpose fountain for chicks, pullets, hens.

No. 31—3 gal. size, 13 1/4 in. pan. Each \$2.00. Mailed 30c extra.

No. 32—5 gal. size, 15 in pan. Each \$2.75. Mailed 35c extra.



## Float Valve



Attaches to 1/4 in. pipe, barrel or tank; insures a continuous supply of water. All working parts brass. Powerful float. Used with wire guards and pan. Makes a very low cost poultry or pigeon fountain.

No. 611 — Float Valve, only; each 90c; mailed \$1.00.

## Fountain and Brooder Heater

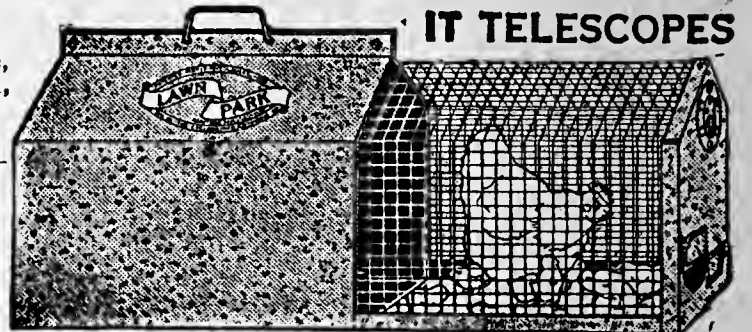


Can be used in small box to brood chicks. Also as heater for poultry fountains from 3 to 5 gal. size. Diameter 10 in.; height 7 in.

With No. 1 Zenith Burner.  
No. 44—Oil Burning Heater, each \$1.80; mailed \$2.00.

## Lawn Park Brood Coop

### IT TELESCOPES

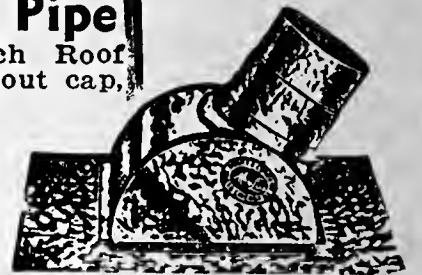


The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Size of coop, 18 inches wide, 19 1/2 inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. The coop has removable galvanized bottom. Each, \$3.20, set up, ready to use, f.o.b. Memphis. Lots of 3, K.D., f.o.b. factory, each, \$2.50.

## Roof Saddles for Brooder Pipe

No. 440—4-inch Roof Saddle, without cap, \$1.35.

No. 441 — 5-inch Roof Saddle, without cap, \$1.50.



## Smoke Pipe Top Cap

No. 444—Chimney Cap for 4-inch pipe. Each, 25c; mailed, 40c.

No. 445—Chimney Cap for 5-inch pipe. Each, 35c; mailed, 50c.

## Thermometers

### Brooder Thermometers

Accurate, easy to read. Porcelain enameled. Bulb guarded.

No. 266—Round wood, 8 in. long, each 50c.

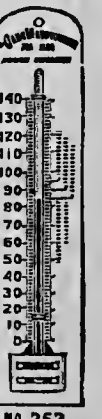
No. 1265—Metal back, 4 1/2 in. long, each 35c.

No. 5794—Tycos flat metal, 4 1/2 in. long, each 50c.

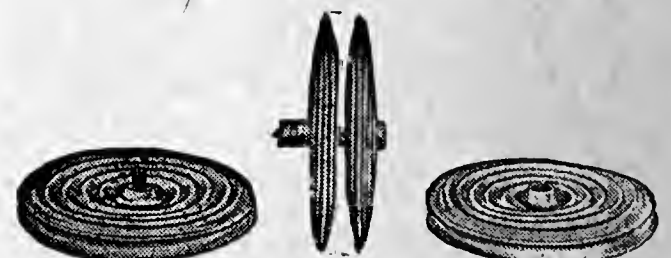
No. 262—Metal back, 6 1/4 in. long, each 45c.

### Incubator Thermometers

No. 5776—Tycos on stand, 75c; mailing 15c each extra.



## Thermostat Wafers



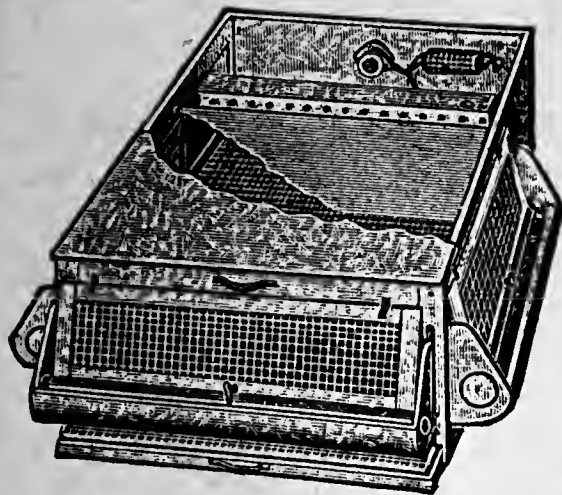
Double disc, brass 3 in. diameter. Accurate, dependable and fast. Universal connection fits most coal or oil brooders or incubators.

No. 416W—3 in. diameter wafers, each 30c; by mail 40c.



# R.-H. Co.'s Brooders

## Gro-Ezy Electric Battery Brooder



A sweeping success, a new Gro-Ezy Brooder with woven wire doors which admit more light, equipped with automatic thermostat heat control, long electric heating element, heavy curtains, heavy wire floors. Wide and deep troughs which do not waste feed and are adjustable, removable dropping pans, sanitary and easily cleaned.

Gro-Ezy Brooders should be operated in a room that is heated to 70 degrees.

The operating cost of Gro-Ezy Electric Brooders is low, uses only about one kilowatt in 24 hours. Capacity from 70 to 100 chicks.

No. 801—Complete with woven wire door (as illustrated), heating element, feed and water trough, \$9.00.

## Gro-Ezy Unit Racks

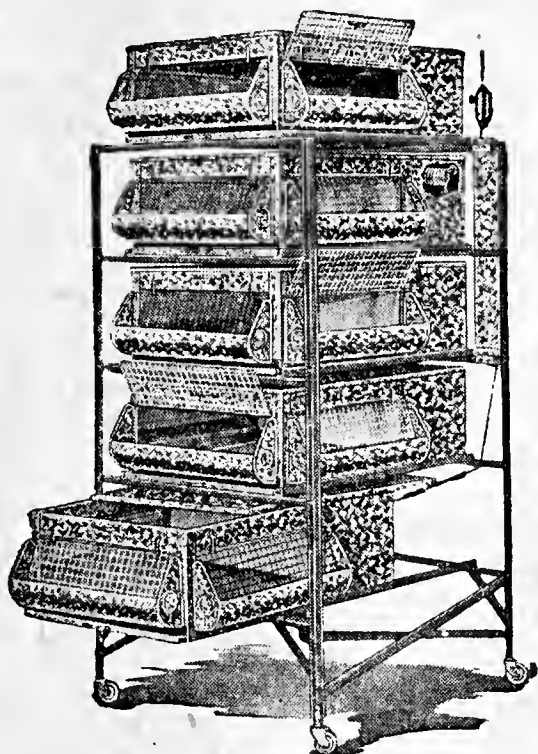
These outfits eliminate the drudgery of caring for chicks. They save lots of work, are more sanitary, eliminate loss and your chicks will grow off faster.

No. 804—4 units and rack, \$46.00.

No. 805—5 units and rack, \$54.00.

No. 8045—Rack only, \$12.00.

Drudgery of caring for chicks eliminated by using Gro-Ezy Brooders. Less loss. Better growth. More sanitary.



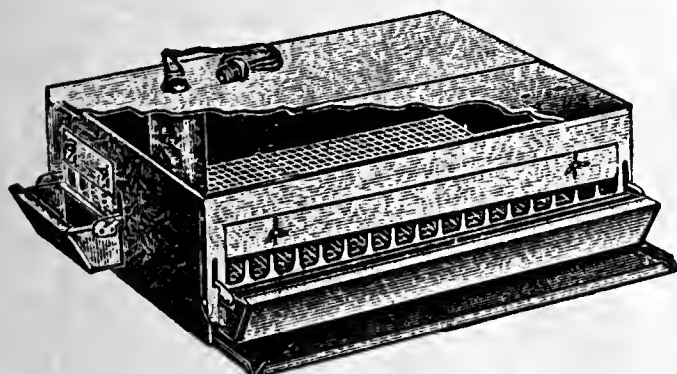
## Home Broiler Plant



Produces 35 fine broilers every four weeks. Top section is the regular No. 801 Gro-Ezy Electric Heated Brooder which takes care of 35 chicks for 5 weeks. They must be transferred to growing sections of which there are two, each equipped with one feeder and water trough complete. Specifications with catalogue mailed on request.

No. 310—Home Broiler plant as illustrated, \$26.40.

## Happy Chick Metal Box Brooder



for starting small lots of chicks. 2 ft. electric cord. Electric bulb not furnished.

No. 375N—All Metal Box Brooder, \$2.75; by mail, \$3.10.

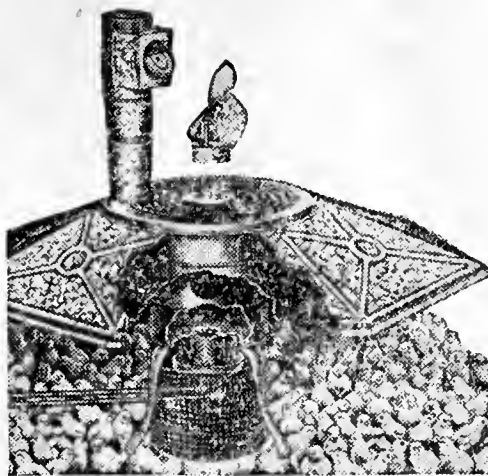
No. 376—Rack only to hold 6 units, \$5.90.

Made entirely of galvanized steel. It is much superior to the paper box brooders, accommodates 60 chicks, size 18x22x6 in. high, complete with galvanized removable dropping pan, feed and water trough. Lid in two sections. Uses ordinary electric light bulb. The hardware cloth floor is of 1/2 inch mesh. It is ideal

A perfect scratching material for baby chicks or poultry houses. It absorbs all the moisture from droppings. 2-bu. carton, 75c; 1/2 bale, \$2.00; bale, about 20 bushels, \$3.00. Cannot mail.

## No-Cold Drum Type Brooder

Burns Kerosene or Distillate



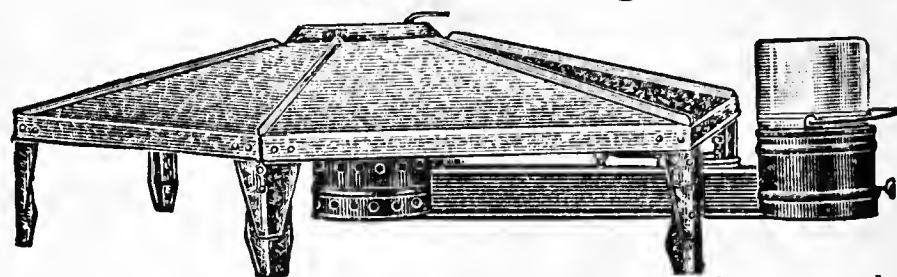
Has wickless AIR-FED burner which provides perfect combustion; no soot or carbon formation. Burns quietly. Safe, simple, low cost brooder, dependable in any weather. Automatic regulator, easily adjusted. Comes equipped with draft equalizer and revolving roof cap which turns with the wind. Fuel tank with automotive type sediment trap, safety wire screen, overflow pipe. 2 canopy sizes.

No. 132—Special drum type oil Brooder, 32 in round canopy, with tank stand for 200—300 chicks, \$11.50.

No. 348S—Hexagonal canopy 48 in., broods 300 to 500 chicks in 10 x 12 house. Weight 70 lbs. Price with fuel tank stand, \$19.50.

No. 360S—Hexagonal canopy 60 in., broods 350 to 600 chicks in houses up to 12 x 14 ft. Price with fuel tank stand, \$20.85 each.

## Blue Flame Oil Burning Brooder



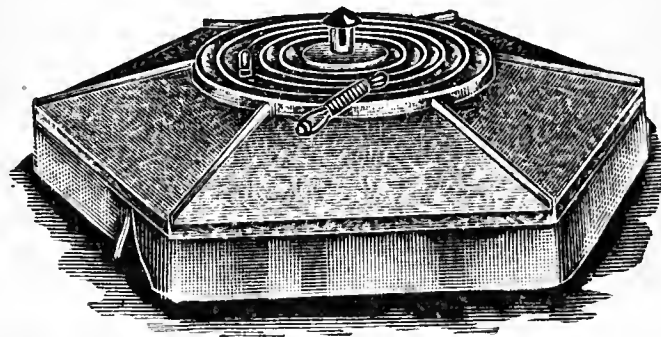
A complete trouble-free chick brooder, burns kerosene, has a giant 5-inch rigid burner with automatic heat control, operated by a brass thermostatic wafer, with a new and improved heat equalizer that keeps chicks comfortable in any kind of weather at any location under the canopy.

This smokeless and fumeless brooder is the best buy on the market, made in two sizes.

No. 842—42 inch canopy, 300 chick capacity, \$10.50.

No. 852—52 inch canopy, 500 chick capacity, \$11.25.

## Advance Electric Brooder

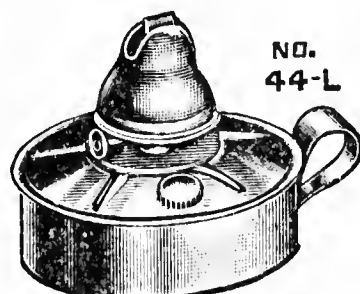


A dependable brooder with all labor saving advantages of electricity. Carries Underwriters Label. Enclosed heating element. Insulated heat radiating deck.

Complete with cloth curtains, legs, heating element, automatic regulator, pilot light, thermometer and 8 ft. drop cord. Canopy wings as illustrated on No. 521 and 522. No. 520 round section only.

No.	Size	Capacity	Wattage	Wt.	Each
520	28 in.	85-100	250	25	\$ 8.00
521	48 in.	130-150	450	33	10.00
522	56 in.	300-350	550	39	11.50

## Zenith Burners and Lamp Bowls



For incubators or fountain heaters. The Zenith burner is chimneyless. Bowls of terne plate, die drawn.

### ZENITH BURNERS

No.	Size Wick	Each
1S	5/8 in.	\$0.60
2S	7/8 in.	.70
3S	1 1/2 in.	1.00

By mail 10c each extra.

### LAMP WICKS

No.	Size	Doz.
1WC	5/8 in.	\$0.25
2WC	7/8 in.	.35
3WC	1 1/2 in.	.50

By mail 5c dozen extra.

Asbestos Wicks, flat for Blue Flame Oil Brooders, 2 sizes, each 20c; postpaid, 25c.

## Plain Lamp Burners

These require chimneys.

No. 1—Each 40c

No. 2—Each 50c

No. 3—Each 60c

Postpaid, 10c each extra.

### LAMP CHIMNEYS

No. 1—Each 20c

No. 2—Each 25c

No. 3—Each 30c

Postpaid 10c each extra.

SANITARY

POULTRY LITTER



# Top Notch Day-Old Baby Chicks

## Top Notch "A" Quality Chicks

Our Top Notch "A" Quality Chicks are from selected pure bred birds produced from free-range flocks, thereby insuring strong, vigorous chicks. Recommended for broilers and general utility.

Prices prepaid, for delivery January, February, March and April:

	25	50	100
Brown and White Leghorns .....	\$2.25	\$4.20	\$7.40
Barred, Buff and White Plymouth Rocks.....	2.50	4.45	7.90
Rhode Island Reds and White Wyandottes.....	2.50	4.45	7.90
Buff Orpingtons and Silver Laced Wyandottes.....	2.50	4.70	8.40
White Giants and Light Brahmas.....	2.90	5.20	9.40
Heavy Assorted .....	2.25	4.20	7.40

## Top Notch "AA" Quality Chicks

Our Top Notch "AA" Quality Chicks are from highly productive flocks. All are officially blood tested and chicks from these flocks will give finer results.

	25	50	100
Brown and White Leghorns.....	\$2.50	\$4.75	\$8.50
Barred Rocks and White Rocks.....	2.75	4.95	8.90
Buff Orpingtons, Rhode Island Reds, White Wyandottes.....	2.75	4.95	8.90
Jersey White Giants.....	3.25	6.00	11.00
Anconas, Black Minorcas and White Minorcas.....	2.75	4.95	8.90
New Hampshires and Silver Laced Wyandottes.....	2.85	5.25	9.50

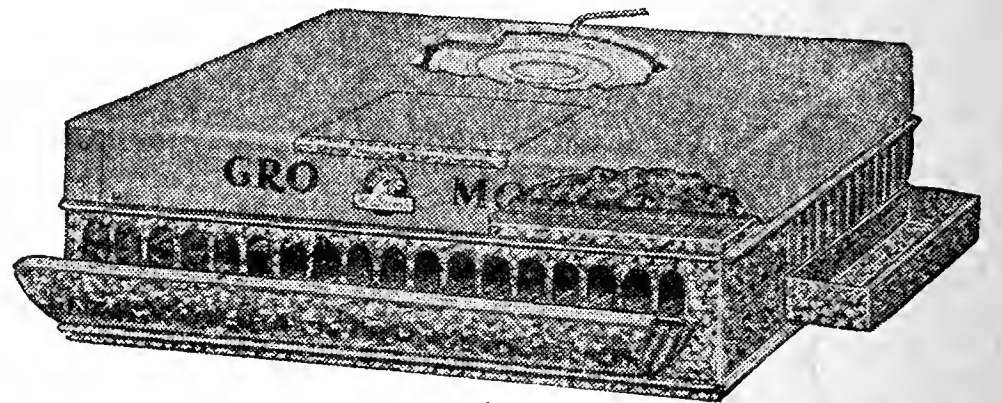
Our Top Notch "AA" Quality Chicks are from highly productive flocks. All are if properly handled. Top Notch chicks are No. 1 grade from selected flocks, not hatched from promiscuous eggs. All chicks are shipped from the hatchery regularly every Monday and Thursday.

ORDER EARLY—Book your chicks at least two weeks before you want them. In this way you will be sure to get chicks at the proper time and avoid disappointment. The chicks you start early are most profitable.

100% LIVE DELIVERY GUARANTEED. You will absolutely get full count of LIVE CHICKS. All orders acknowledged promptly. Remit by Post Office or Express money order. Terms on chicks are cash to all. Prices subject to change. SHIPPING CHARGES PREPAID on baby chicks anywhere in the U.S.



## Gro-More Brooder



It is easy to raise chicks in a Gro-More. A six year child can supply the care and attention needed.

The floor area is 24x24 inches with 7 inch head room, which is much larger than the average makes of brooders of this kind. Capacity 75 chicks.

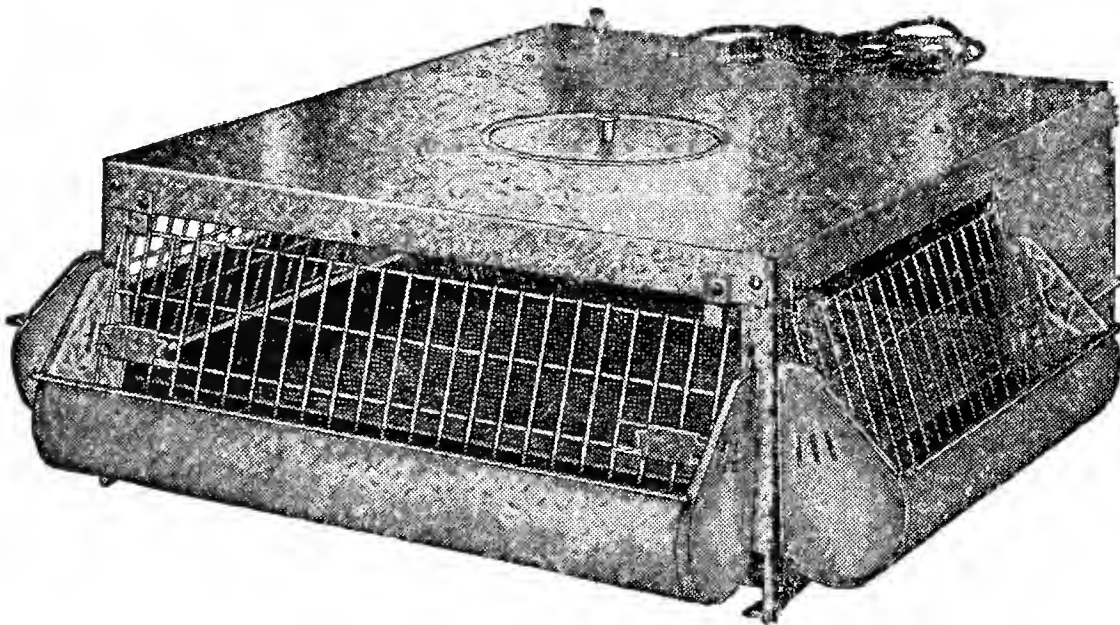
The sides are galvanized steel. Both feeder and waterer are unusually large and easily detached. The feed openings have turned edges and are easily adjusted for all size chicks. The top is extra heavy fibre board which conserves the heat remarkably well and if taken care of will last for years.

No. 634—Gro-More Brooder is heated by an Electric Lamp bulb and there is a galvanized steel drum around the bulb to circulate the warmth. Price 634 Gro-More Brooder furnished with feed and water pan, also cord plug and socket to hold bulb (bulbs not furnished). Each, \$3.00; by mail, each, \$3.35.

No. 624—This is the Gro-More Electric Brooder with a 40 watt fully enclosed non-glowing heating element that furnishes more heat than the bulb type, otherwise it is the same size as No. 634 Brooder.

Price No. 624—Gro-More Brooder, \$3.25; by mail, \$3.60.

## No. C8 Silver Hen Brooder



A large comfortable outfit—size 24 x 36 inches with 9½ inch head room, furnished with easy removable dropping pans, two feeders, and one watering trough of extra size, which are easy to attach or remove. The openings in feed troughs are adjustable for small or large chicks. Heating element is of automatic control and has a fully enclosed 150-watt 110-volt heating element 19½ inches long. It has a heavy hemmed cloth curtain that retains the heat in the brooding compartment.

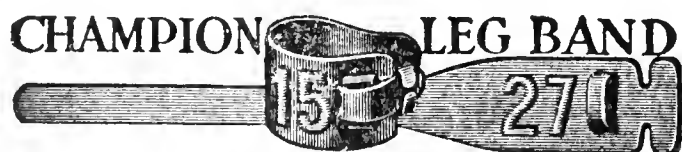
Price complete .....\$8.50

Not available

## Cardboard Egg Cartons



These are intended for delivering eggs to consumers. Hold one dozen each; have two rows, six eggs each. Doz., 20c; 100, \$1.00; 500, \$4.75. Mailed, doz., 30c; 100, \$1.35.



Large Raised Figures

These are adjustable to fit any size fowl. Numbers 1 to 300. Light in weight, made of aluminum. Doz., 15c; 25, 25c; 100, 60c, postpaid. At store, 100, 50c.

## Celluloid Leg Bands

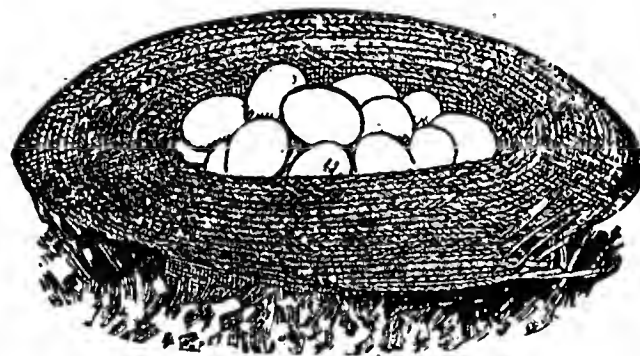
These slip on like a key ring—white, black, green, blue, and red. Made in all sizes. When ordering, state what breed, size and color you want them.

Hen Size ..... Doz., 10c; 50, 35c; 100, 60c.

Pullet Size ..... Doz., 10c; 50, 30c; 100, 50c.

Chick Size ..... Doz., 10c; 50, 25c; 100, 40c.

By mail 10c per 100 extra.



## Nest Eggs

China, doz. ....\$0.30

Wooden, doz. .... .45

Lice Expelling, doz. .75

By Mail:

China, doz. .... .40

Wooden, doz. .... .55

Lice Expelling, doz. .85

## Bandette Leg Bands

These are wide with large showy numbers that are easy to read. Made of celluloid, convenient to attach. They come in three sizes for Leghorns, Rhode Island Reds, and Wyandottes. Packed 25 to the box. Price: 25 for 60c; 50 for \$1.00; 100 for \$1.75, postpaid.





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## PRICES

The prices we quote on vegetable and flower seeds will hold good as long as stocks last. The prices on all farm seeds, grain, etc., are those ruling January 2nd, 1938, and are subject to market changes. As far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

## NON-WARRANTY

Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness of any seeds, plants, bulbs or nursery stock they send out, and they will not be in any way responsible for the crop. You can take your seed home, examine them, test them, call in your County Agent, and if our seeds are not as represented, return them at once, and we will refund your money.

January 2nd, 1938.  
Memphis, Tenn.

RUSSELL-HECKLE SEED CO.

Sales Department, 16 South Front St.  
Wholesale Warehouse, Linden Station



# Our 1938 Bargain Collections

It will pay you to take advantage of these special bargain offers. Everything is guaranteed to please you in every way.

## R.-H. Co.'s Big \$1.00 Garden Seed Collection

20 varieties, regular value \$2.00, sent postpaid to any address for only \$1.00.

- 1/2 lb. Beans, Bush. Stringless Green Pod.
- 1/2 lb. Beans, Pole. Kentucky Wonder.
- 1/2 lb. Beans, Lima. Henderson Bush.
- 1/2 lb. Beans, Lima Pole. Carolina Sieva.
- 1/2 lb. Corn. Trucker's Favorite.
- 1/2 lb. Peas, English. Early Alaska.
- 1 10c pkt. Beet. Early Blood Turnip.
- 1 5c pkt. Cabbage. Chas. Large Wakefield.
- 1 10c pkt. Carrot. Half Long Danvers.
- 1 10c pkt. Collards. Southern or Georgia.
- 1 5c pkt. Cucumber. Improved Long Green.
- 1 5c pkt. Lettuce. Big Boston.
- 1 5c pkt. Okra. White Velvet.
- 1 5c pkt. Pepper. Bell or Bull Nose.
- 1 5c pkt. Radish. Early Scarlet Globe.
- 1 10c pkt. Squash. Early White Bush.
- 1 10c pkt. Spinach. Bloomsdale Savoy.
- 1 10c pkt. Tendergreen Mustard-Spinach.
- 1 10c pkt. Tomato. Master Marglobe.
- 1 10c pkt. Turnip. Purple Top Globe.

## Special 50c Flower Seed Collection

Ten 10c packets new and desirable flower seeds, regular value \$1.00, sent postpaid for only 50c.

- 1 10c pkt. Calendula. Sunshine.
- 1 10c pkt. Cosmos. Orange Flare.
- 1 10c pkt. California Poppy. Salmon Beauty.
- 1 10c pkt. Larkspur. Exquisite Pink.
- 1 10c pkt. Marigold. Dixie Sunshine.
- 1 10c pkt. Petunia. General Dodds.
- 1 10c pkt. Phlox. Giant Art Shades.
- 1 10c pkt. Poppy. Double Salmon-Rose.
- 1 10c pkt. Verbenas. Mammoth Crimson.
- 1 10c pkt. Zinnia. Dahlia-Flowered Mixed.

## 40c Spencer Sweet Pea Collection

Eight 10c packets of Spencer Sweet Peas, regular value 80c, sent postpaid for only 40c.

- 1 10c pkt. Austin Frederick. Lavender.
- 1 10c pkt. Rosabella. Deep rose.
- 1 10c pkt. King White. Purest white.
- 1 10c pkt. Mary Pickford. Rich pink.
- 1 10c pkt. Miss California. Deep pink.
- 1 10c pkt. Master Cream. Cream-yellow.
- 1 10c pkt. Olympia. Dark purple.
- 1 10c pkt. Red Boy. Deep red.

## Bargain 30c California Giant Zinnia Collection

Six 10c packets of California Giant Zinnias, regular value 60c, sent postpaid for only 30c.

- 1 10c pkt. Daffodil. Canary-yellow.
- 1 10c pkt. Enchantress. Rose-pink.
- 1 10c pkt. Grenadier. Bright red.
- 1 10c pkt. Orange Queen. Golden orange.
- 1 10c pkt. Salmon Queen. Salmon-rose.
- 1 10c pkt. Violet Queen. Violet-purple.

## Bargain 30c Dahlia-Flowered Zinnia Collection

Six 10c packets of Dahlia-Flowered Zinnias, regular value 60c, sent postpaid for only 30c.

- 1 10c pkt. Crimson Monarch. Deep crimson.
- 1 10c pkt. Exquisite. Light rose.
- 1 10c pkt. Illumination. Deep rose.
- 1 10c pkt. Luminosa. Bright pink.
- 1 10c pkt. Golden State. Rich orange.
- 1 10c pkt. Purple Prince. Deep purple.

## Special Offer Pansy Plants

All-American Mixture, finest large blooms. Ready March 10th. Doz., 60c, postpaid.

## FIVE DAHLIA COLLECTIONS

Specially priced, every bulb labeled, guaranteed true to name.

### Collection No. 1

Five named varieties for 79c, postpaid.

- Avalon. Yellow.
- Bashful Giant. Apricot.
- Jersey's Beauty. Pink.
- Oregon Beauty. Crimson.
- Venus. White and lavender.

### Collection No. 2

Five named varieties, 69c, postpaid.

- Agnes Haviland. Pink and yellow.
- Elizabeth Slocombe. Reddish purple.
- Jean Kerr. Snow-white.
- Jane Cowl. Salmon-buff.
- Iowa. Maize, tip pink.

### Collection No. 3

Five named varieties for 79c, postpaid.

- Catherine Wilcox. Pink tipped red.
- Jersey's Beacon. Scarlet and buff.
- Margaret Woodrow Wilson. White and pink.
- Mrs. I. de Ver Warner. Lavender.
- Swift. Golden yellow.

### Collection No. 4

Five exceptional varieties for \$1.19, postpaid.

- Barbara Redfern. Gold and old rose.
- City of Trenton. Tangarine-red.
- Dad. Large deep scarlet.
- Kathleen Norris. Salmon-pink.
- Thos. A. Edison. Royal purple.

### Collection No. 5

Ten assorted Dahlias for 79c, postpaid. All different, no two alike, packed in a cardboard container.

## Free Dahlia Bulbs

Order any two Dahlia collections and will send you free—one new variety Dahlia, Laura Morris; fine yellow. Order any four Dahlia collections and we will send you two bulbs free.  
1 Laura Morris. Fine yellow.  
1 Pride of Stratford. Large orange.

## Special Gladiolus Collection

All No. 1, largest size bulbs.

- Aflame. Bright orange and flame.
- Betty Nuthall. Coral-orange-carmine.
- Giant Nymph. Pink with yellow throat.
- Gloriana. Rich golden salmon.
- Golden Dream. Very deep yellow.
- Los Angeles. Early shrimp-pink.
- Minuet. Large light lavender.
- Picardy. Delicate apricot-pink.
- Pride of Wanakah. Beautiful lavender-rose.
- W. H. Phipps. Pink overlaid salmon.

Five each of above ten varieties, 50 bulbs, \$1.50. Ten each of above ten varieties, 100 bulbs, \$2.25. All postpaid.

## Top-Notch Rose Collection

Six 2-year, field-grown Rose bushes, postpaid for only \$2.00, regular value \$2.65.

- Briarcliff. Rich pink.
- Edith Nellie Perkins. Cerise-pink.
- Caledonia. Snow-white.
- Rapture. Pink and gold.
- Red Radiance. Large red, fragrant.
- Talisman. Pink, red, yellow.

No orders for field-grown will be accepted after April 15th.

## Bargain Collection Peach Trees

One hundred 2- to 3-ft. Peach Trees, regular value \$13.25, only \$12.50, prepaid by express.

- |                     |                |
|---------------------|----------------|
| 10 Belle of Georgia | 10 Champion    |
| 10 Elberta          | 10 J. H. Hale  |
| 10 Early Elberta    | 10 Lemon Cling |
| 10 Golden Jubilee   | 10 Red Bird    |
| 10 Crawford's Early | 10 Wonderful   |

No fruit trees shipped after April 15th.





### Red Radiance

A counterpart of Radiance, from which it is a "sport," possessing all the traits of Radiance, except color, which is an even shade of bright cerise-red. **Each, 45c; 6 for \$2.20, postpaid.**

# Roses

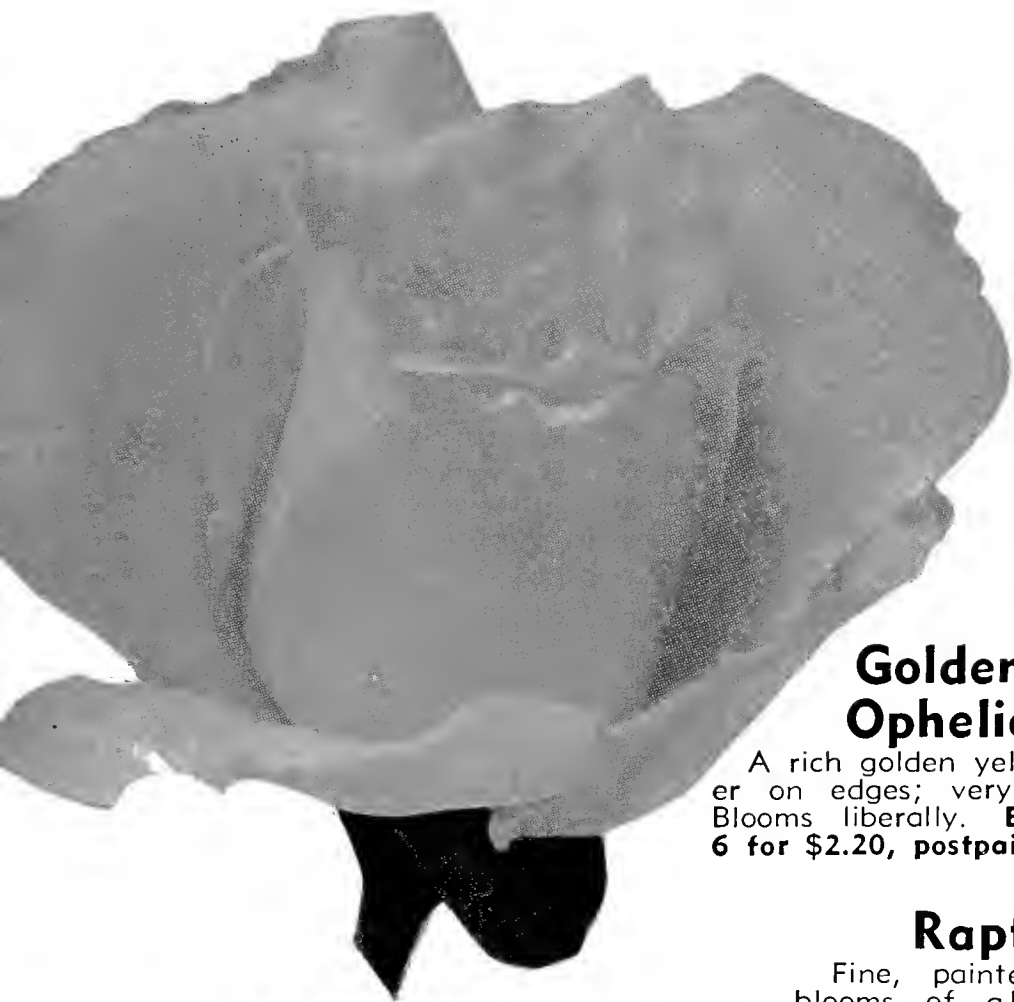
## 6 Garden Aristocrats

We offer here only the choicest varieties of ever-blooming Roses, the majority of which every Rose lover is familiar with. We highly recommend the collection for general planting. These Roses will give a supply of choice flowers to cut throughout the season. They require only an average amount of care and will be worth the effort.



### Edith Nellie Perkins

A Rose of outstanding merit, vigorous growth, free flowering, long pointed bud. Lasting and fragrant. Outside of petals Oriental red, shaded cerise-orange; inside salmon-pink. **Each, 60c; 6 for \$2.70, postpaid.**



### Golden Ophelia

A rich golden yellow, lighter on edges; very fragrant. Blooms liberally. **Each, 45c; 6 for \$2.20, postpaid.**

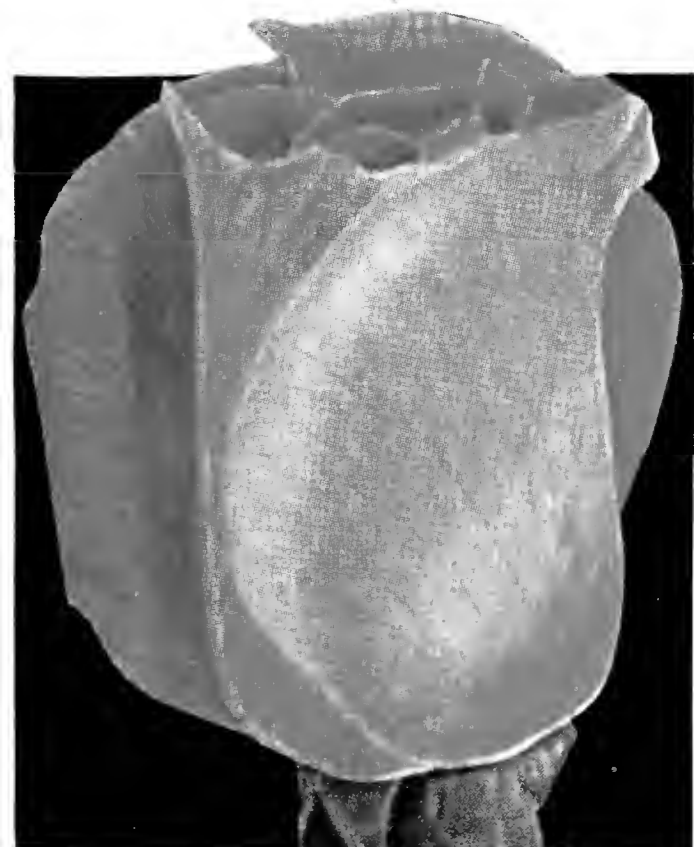
### Rapture

Fine, painted buds and blooms of glowing pink. Plants strong and free flowering. **Each, 60c; 6 for \$2.70, postpaid.**



### Caledonia

Long buds of alabaster white shapely flowers with a dainty fragrance. Plant is vigorous and blooms well. **Each, 45c; 6 for \$2.20, postpaid.**



**Talisman** Brilliant red and gold buds, opening to well-shaped blooms of scarlet-orange and rich yellow. Constantly in bloom. The most vivid color yet produced in Roses. **Each, 45c; 6 for \$2.20, postpaid.**



### Offer

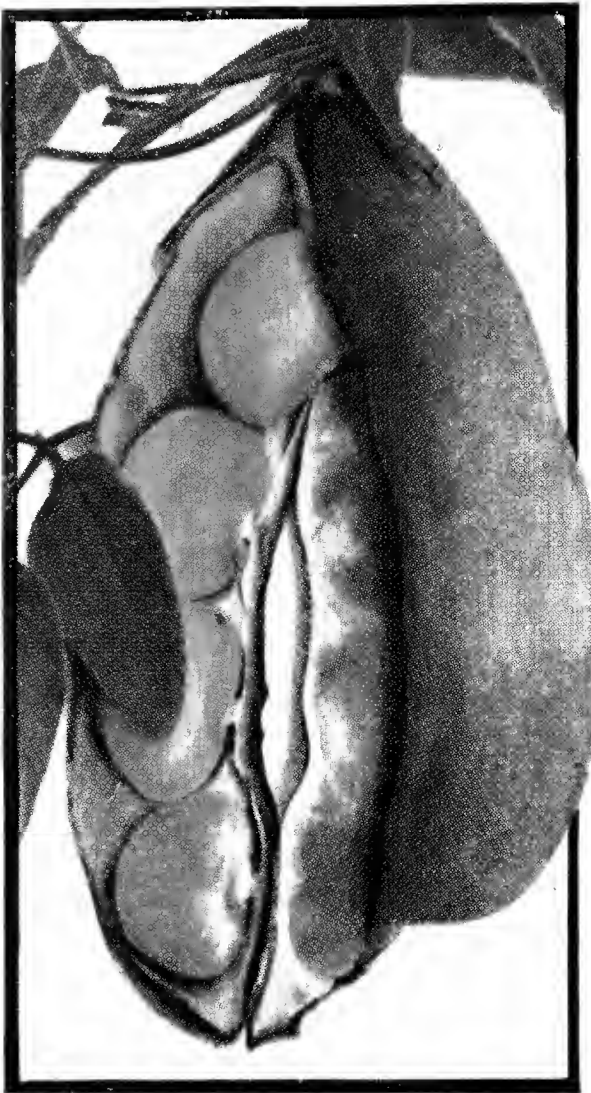
One each of above (6) 2-year Roses, \$2.25, postpaid.

Two each of above 6 varieties, (12) Roses, \$4.25, postpaid.

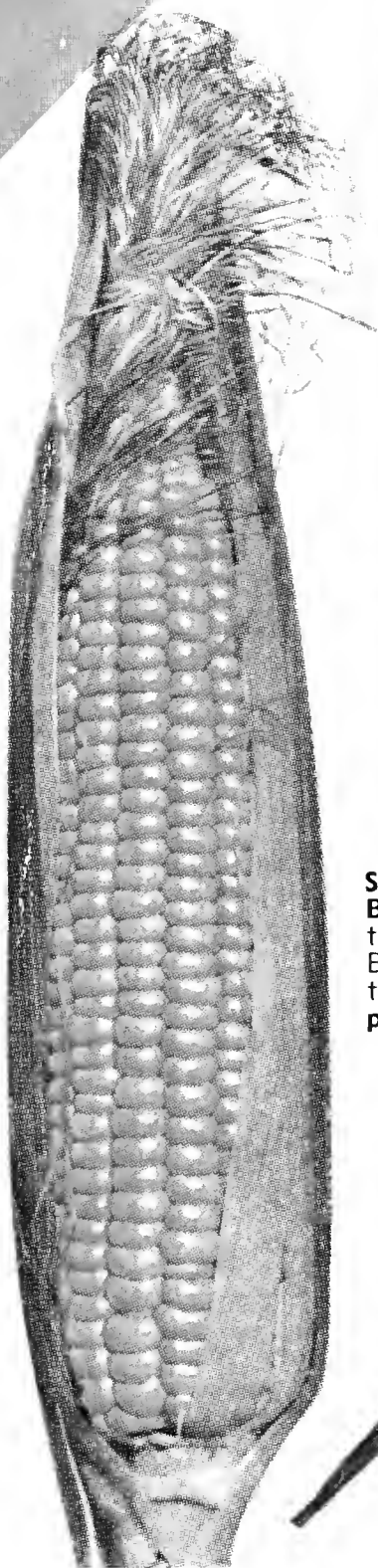


**For  
Your  
Garden**

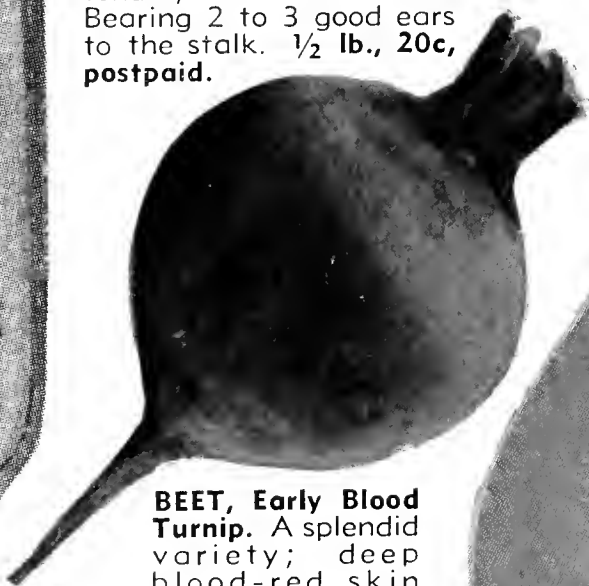
**FLORIDA BUTTER BEAN.** The best for bearing the whole season. Produces an abundant crop. Seeds a speckled white and brownish red.  $\frac{1}{2}$  lb., 20c, postpaid.



**SWEET CORN, Golden Bantam.** Early, sweet, tender, and delicious. Bearing 2 to 3 good ears to the stalk.  $\frac{1}{2}$  lb., 20c, postpaid.



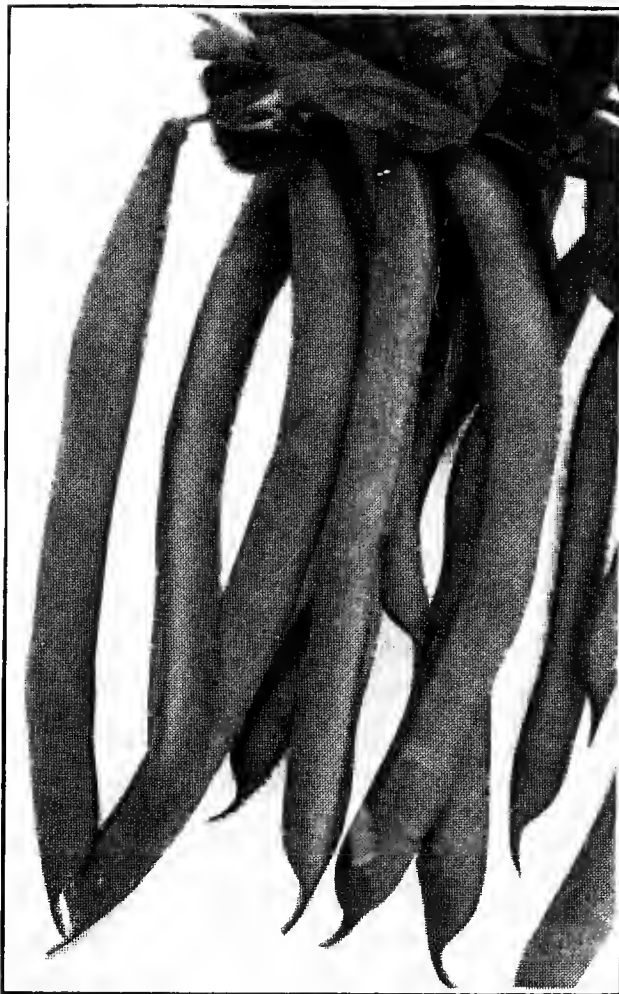
**BEET, Early Blood Turnip.** A splendid variety; deep blood-red skin with rich red flesh, which is very tender. 1 oz., 10c, postpaid.



**CANTALOUPE, Hale's Best.** A new variety originating in California. Very early melon, of fine flavor. Hale's best will be of real value as an early shipping Melon.  $\frac{1}{2}$  oz., 10c, postpaid.



**BUSH BEANS, GREEN, Burpee's Stringless.** A favorite variety with green pods 5 to 6 inches long; absolutely stringless.  $\frac{1}{2}$  lb., 15c, postpaid.



**CARROT, Half Long Scarlet.** Slightly tapered blunt-rooted. Earliest of the large type. Fine for home gardeners and market.  $\frac{1}{2}$  oz., 10c, postpaid.



**TOMATO, Greater Baltimore.** A perfect deep rich red Tomato. Among the most productive of all varieties. Fine for canning, being solid and fine flavor. 1 large packet, 5c, postpaid.

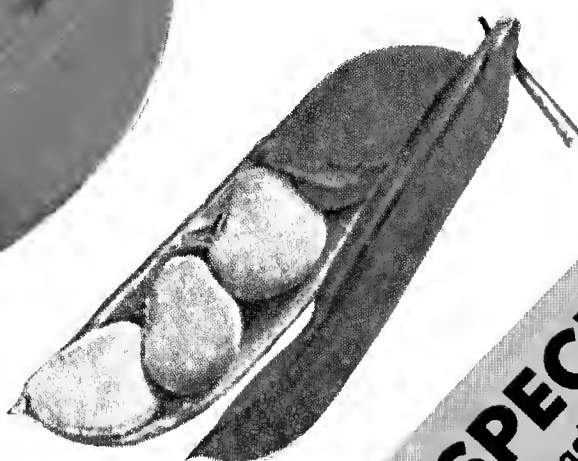


**PEAS, Laxtonian.** The largest podded of the dwarf wrinkled Peas. A fine new variety, becoming very popular with those who grow for the market or for the home garden.  $\frac{1}{2}$  lb., 20c, postpaid.

**RADISH, Scarlet Globe.** The roots are slightly olive-shaped and are a rich bright scarlet in color. The flesh is white and tender. The roots are fit to pull very early, but become larger when mature. Fine for shipping. 1 oz., 10c, postpaid.



**BUSH LIMA BEANS, Henderson.** The Baby Lima. Early. Hardy vines produce pods 3 inches long, containing 3 or 4 beans. Ready in 60 days.  $\frac{1}{2}$  lb., 15c, postpaid.



**SPECIAL OFFER.**  
One package each of above 10 vegetables as described, regular value, \$1.35,  
*All for*  
**75¢**  
POST-PAID

**RUSSELL-HECKLE  
SEED COMPANY**

16 S. Front St.

WHOLESALE WAREHOUSE  
LINDEN STATION

Memphis, Tenn.